

Modern *Machine* Knitting

JUNE 1993

£1.50

intarsia

BABAR

THE ELEPHANT

For machine knitters

THE NAVY LARK

The nautical look is tops

LACY DAYS

Experiment with our swatches

**WIN £100 WORTH OF DENYS BRUNTON YARN
IN OUR COMPETITION**

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in our
classified
section





Summer Knitting Machine Seminar

Head for the Hills at Camp Tuckanitslip 1993

Camp Tuckanitslip is for all machine knitters, beginner's to advanced, no matter what kind of machine you own.

Work on your knitting skills in the company of our premier group of "Counselors" including: Terri Burns, Bea Carrier, Lili Chin, Susan Guagliumi, Ruth Lantz, Susan Lazear, Ginger Leuters, Alvina Murdaugh, Susan Nutter, June Reed, Linda Schuster, Leslye Solomon, Joan Stiles, Bonnie Triola, Lynn Wohlsen, and Gini Woodward.

We'll offer hands-on workshops for those who learn better at the machine, as well as lecture demonstrations on a huge range of subjects taught on Studio by White machines. All knitters are welcome.

This year, in addition to over 90 different classes, Camp Tuckanitslip will offer a full day, hands-on class focused on the similarities between machine and hand knitting and the ways they can be combined. The class is aimed at making new knitters comfortable with the machine and a repertoire of basic techniques as quickly as possible. In addition, many of the classes on this year's schedule are fully applicable to hand knitting, guaranteeing hand knitters who attend camp a full range of courses to choose from.

All of this at Crystal Mountain Resort, Crystal Mountain, Washington. Located 76 miles east of Seattle in the Mount Baker-Snoqualmie National Forest. The view from the top, with an elevation of 7,000 feet offers a

dramatic 360° view of the Cascade Mountains. The glacier on mount Rainier looks close enough to touch!

Space will be limited this year so you must register early for this four day, three night knitter's retreat. Everyone will be housed in ski condos.

\$349. *covers tuition, room and all meals, making Camp Tuckanitslip the knitting bargain of the year! Plan to join us for an unforgettable experience!*

**Make your reservations now for
June 11-14**

For registration information contact your local Studio by White Dealer or call 1-800-367-0518. Brochures will be mailed after March 1, 1993.

Studio
by **WHITE**

First in Knitting Machines

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C ontents

We've definitely gone 'animal crackers' this month – and we know you're going to love 'em!

You know what they say about elephants? What, you've forgotten already? Never mind, our dear Babar is one elephant we surely all can remember – and he's guaranteed to make many a young girl or boy a truly unforgettable gift. You'll be totally justified in blowing your own trumpet when you make our colourful sweater! Featured in our Intarsia spot, Babar the Elephant is sure to be a 'big' hit with everyone.

From gentle giants to cuddly family pets – and there's nothing guaranteed to bring out those 'ooohs' and 'aaahs' more than an adorable little ball of fluffy innocence. (I should know – we've got two at home!)

Our feline designs are sure to delight any young lady lucky enough to know a clever machine knitter!

Our third animal 'visitor' this month is another popular pet, this time of the canine variety – a cheeky little tail-wagging sausage dog. He's the familiar logo of Denys Brunton Designer Yarns – and he's delighted to be able to announce that three lucky winners in this month's competition will win a choice of Denys Brunton yarns. A prize definitely not to be sniffed at – so turn to our competition and get weaving on those clues!

The nautical look abounds in our patterns this month. The classic pairing of navy and white is hard to beat – and our striped sweater is just right for a life on the ocean wave.

You and your partner can set sail into the summer sunset together in stylish ladies' jacket and choice of men's sweaters – and when you finally weigh anchor there's a white cardigan with anchor design to keep you busy.

Ahoy there, me hearties – the winds look set fair for a good month of knitting!

'Til next month's port of call...

Frances

Editorial

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Knitline

We bring you all the latest news on products, services and events from around the country.

NATURAL LUXURY

Touch of Silk is the latest addition to the **Forsell** range of quality yarns.

This new yarn, which is 90% wool and 10% silk, comes in eight neutral shades with a hint of colour.

It is double knit weight, which is ideal for the Silver Reed SK860 (double knit gauge) machines and also knits on the chunky machine.

Touch of Silk is available from any retailer selling Forsell yarns. The recommended retail price is £9.25 for a 400g cone.

STITCH-CRAFT

Owners of IBM PC compatible computers who are also Windows 3.0, or higher, fans will like this new program from Australia.

Stitch-Craft is a computer program designed for charting cross stitch, needlepoint or knitting stitch patterns.

The program can be used to create stitch patterns on a grid, which can then be saved to disk and/or printed out for copying on to mylar sheet or punch card.

Anyone familiar with Windows applications should find this program very easy to operate. The screen looks very similar to Windows Paint with the same tool icons and horizontal menu bar.

This program sells for \$490.00 Australian. For a demonstration disk, or to order, write to Crafted Software, P.O. Box 78, Wentworth Falls NSW 2782, Australia, or fax on (+) (61) 47 57 3136.

BROCKWELL YARNS

The latest addition to the Brockwell range of natural yarns is **Linen Thread**, a natural coloured pure linen yarn, which can also be dyed to match the colours of the cotton range.

As with all their yarns, a twisting service is available for Linen Thread which allows you to have it combined with the other yarns stocked.

Brockwell suggest a mixture of 25% Linen with 75% Plain Cotton mixture in both 4 and 8 ply weights, or, 50% Mercerised Cotton and 50% Linen Thread.

A complete set of shade cards is available for £2.00 (or quote Visa number) from Brockwell Yarns, Stansfield Mill, Triangle, Sowerby Bridge, West Yorkshire HX6 3LZ.

SCOTTISH CRAFTS

A new crafts department is to be established at the Scottish Arts Council. £300,000 has been earmarked by the Scottish Office to support crafts in Scotland.

Crafts are a major cultural force in Scotland with approximately 2,000 crafts businesses generating £53 million per annum and employing the equivalent of 5,200 people in full time employment (1992 figures).

This new funding for Scottish crafts people, provided by the Scottish Office, through the Department of National Heritage, will open many new opportunities locally, nationally and internationally.

For further information con-

tact the Crafts Council, 44a Pentonville Road, Islington, London N1 9BY.

DESIGN DISKS FROM ARTIKA

Brother disks are now available to be used in conjunction with the following stitch pattern books: **Italian Collection**, **Shadows**, **Trellis**, **Début**, **Nomad**, **Patchworks 24** and **Colourways 40**.

The disks contain all the stitch

patterns ready to send to the machine or PPD and the books include all the colour and design information.

Each book and disk combination costs £10.90 (£9.90 for Shadows). The disks are available separately at a cost of £5.95 each for knitters who already have the books, or who do not require the additional information.

To order send to Artika Designs, 41 Dundonald Road, London NW10 3HP, or send a large SAE for further information.

CARL BOYD DESIGNS

Carl's classic designs in Forsell Natural yarns are always popular and he has now added eight more to the collection, **Aztec**, **Brocade**, **Naida**, **Foxglove**, **Sonia**, **Mandarin**, **Joanna** and **Wedgewood**.

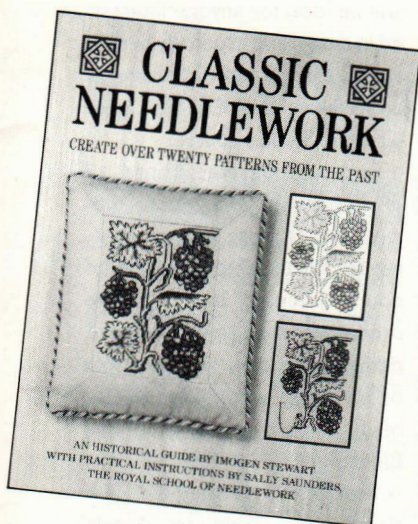
The new designs are all suitable for standard gauge machines and include Fair Isle sweaters for men and women, with a variety

of necklines and collars and two elegant suits.

Patterns sell for 95p each or £6.00 for the set of eight (plus 75p postage) from Carl Boyd, Branwells Mill, 68 Market Jew Street, Penzance, Cornwall, TR18 2LJ.

Aztec and Joanna are available as part kits which includes all contrast yarns and pattern. Aztec is £8.95 and Joanna is £6.95 (also plus 75p postage).





CLASSIC NEEDLEWORK

This is not just a book of needlework projects. **Classic Needlework**, by Imogen Stewart and Sally Saunders (ISBN 1 85170 943 6), starts with an introduction that details the history of needlework.

The fourteen projects show pieces of needlework from a variety of historic homes and museums including the Victoria & Albert Museum, Hampton Court Palace, The Metropolitan Museum and Traquair House.

Detailed full colour stitch charts and advice on techniques and materials accompany each project.

This book would make excellent source material for colour and stitch pattern inspiration and will appeal to knitters looking for new (old) ideas, even if you do not embroider.

Published by Studio Editions, it is priced at £12.95 and is available from good bookshops.

OVERLOCKING THREAD

One of the U.K.'s leading sewing thread manufacturers, Empress Mills, now supply their range of threads, at reasonable prices, by mail order.

The range includes cotton, nylon, embroidery, spun polyester and seam covering thread. There are threads suitable for punch lace knitting and also some ideal for overlocking knitwear.

The comprehensive free catalogue contains many helpful tips on types of thread and their uses. To obtain your copy write to Empress Mills, Empress Street, Colne, Lancashire BB8 9HU or telephone 0282 863181.

SPECTRUM

Six new shades in **Detroit** Double Knitting, 100% acrylic are in vivid fashion colours, with names which conjure up the steamy heat of tropical islands: Shrimp, Mango, Fondant, Flash, Surf and Hydrangea.

For knitters preferring a more subtle colour range **Strata Aran**, an 80% Courtelle and 20% Wool mix has three more subtle shades added, Petrel, a watery green, Crocus, a light mauve and Denim, faded jeans.

The new yarn for Spring from Spectrum is **Astral**, a mixture of 63% cotton and 37% acrylic. The combination has the softness of cotton with a light, airiness provided by the addition of the acrylic. It is an Aran weight yarn, available in two shades, Denim and Natural. Astral is machine washable and costs around £1.99 per 100g ball and is available from Spectrum stockists.

NATURE KNITS

Sue Green of Nature Knits, in response to numerous requests for picture sweaters which do not require knitting by the intarsia method, has produced a **Fisherman** design and a **Hole in One Golfer** design.

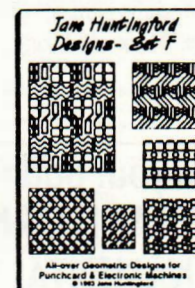
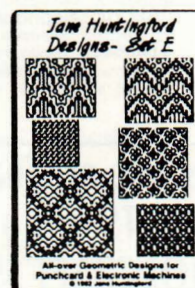
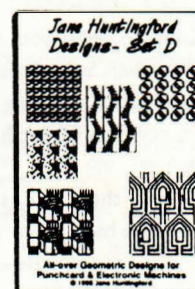
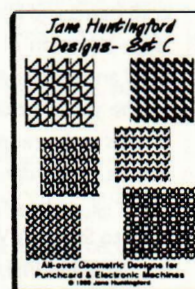
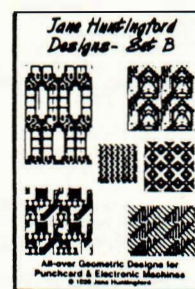
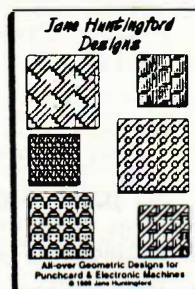
Both designs are 24 stitch picture knits, suitable for punchcard or electronic machines.

Knitted as single motifs and all over Fair Isle, with a small amount of simple Swiss darning to add detail, these patterns are very easy to knit.

The charts are £2.00 each including postage from Sue Green, 9 Aviary Way, Crawley Down, Sussex RH10 4XR.

Jane Huntingford Designs

Geometric designs for 24 stitch punchcard and electronic machines



UK PRICES

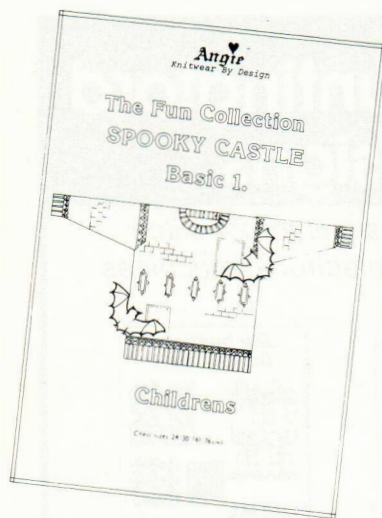
(OVERSEAS ON APPLICATION)

£2.50 per booklet (containing full details of six designs) plus £0.50 postage & packing for one booklet + £0.20 p&p for each additional booklet.

Please send order, making cheques payable to Jane Huntingford or SAE for more information to:

Jane Huntingford
36 Brooklands Avenue
Crowborough
East Sussex
TN6 3BP ENGLAND

**Knitting club talks:
Distance no object -
SAE for details**



FUN FOR THE KIDS

Angie Gibbons, who you will all know from her Swatch Spot in *Modern Machine Knitting*, has started a new Fun Collection for children.

The first of these is **Zachary the Snake**, a basic inset sleeve jumper with a separate three dimensional snake which can be attached to the jumper with knitted tags. More than one snake

can be added if wished. This pattern costs £2.50 and a matching **Zachary the Snake scarf** pattern is available for £2.00.

Spooky Castle is the second basic jumper style, with knitted windows showing bats and witches, available at £2.50

Write to Angie Gibbons, 26 Cripps House, Henderson Road, Broadfield, Crawley, West Sussex RH11 9HY.

ST JOHN'S WOOLS

The 1992/93 St John's Wools mail order catalogue is full of useful craft items and books, as well as a large selection of yarns for both hand and machine knitters.

The yarns include several own brands and a range of King Cole, Patons and Sirdar.

For a copy of the catalogue send to St John's Wools, P.O. Box 66, Limefield Mills, Wood Street, Bingley, West Yorkshire BD16 2BH or telephone Lisa on 0274 510566.

Turn your oddments into original TOYS AND ORNAMENTS with ORNAMENTAL WOOLCRAFT PATTERNS by Jane Platt



● **FOR MACHINES**
Opposite CATS from CAT, OWL, MONSTER (30cm) £2.00 post paid.

All machine knitting patterns knitted quickly and simply in straight pieces. No need to cut knitting.



● **FOR HAND KNITTING**
Opposite SUMMER SCENE from PICTURE PAIR (14x18cm) also NIGHT SCENE £1.75 post paid.

All patterns colour illustrated. Children, charities and adults will love them and so will you.

NEW RANGE OUT NOW!

Send 50p in coins or 2x1st class stamps for colour brochure and pattern offers to:

KNIT-KNACKS (MKM), 16 Springfield Road, Binfield, Berks RG12 8TW

20110

MACHINE KNITTING SUMMER SHOW '93

Further to the success of last year's Summer Show, another is to be held on Saturday 24th July 1993 from 9.30 am to 4.45 pm at John Ruskin College, Selsdon Park Road, Selsdon, South Croydon, Surrey.

The main attractions will be lectures by Hazel Ratcliffe, Pam Turbett, Diane Bennett, Dot Clancy, Angie and Anne Kent, but there will also be lots of yarns, books, machines and accessories to see and buy.

To obtain further details and a booking form, write to Anne Kent, 28 Quail Gardens, Selsdon Vale, South Croydon CR2 8TF.

SUMMER SCHOOLS IN BOURNEMOUTH

The topics for this year's Summer Schools, run by Bournemouth South Adult Education Centre, are Creative Knitwear Design on Week one and Double Jacquard on Week two.

Last year we felt that we did not have sufficient time to devote to the design process as we were aiming at creating a garment by the end of the week. This year we are having a whole week, 19th to 23rd July, entirely consisting of designing knitwear. This week

will be ideal for anyone interested in design and especially beneficial to those knitters thinking of undertaking the City & Guilds Creative Studies course.

For a complete change of direction week two, 26th to 30th July, is for all those knitters wanting to master the technique of double Jacquard. It will include producing your own Jacquard designs from original inspiration, or for those who prefer to use ready made patterns, from Fair Isle designs.

Fees for the week are £50. The classes are taught by Angela Gordon and Loraine McClean and for further details you can telephone Angela on 0929 551073.

A DAY OUT MACHINE KNITTING

Knitting days are being organised in Selsdon (South Croydon) by Anne Kent and Pauline Murphy.

- **June 5th** Diane Bennett – Lace and other delights.
- **September 4th** Ann Brown – Techniques (slides) and Double Jacquard.

The cost of each day is £10 which includes tea/coffee and lunch.

Send your cheque to Anne Kent, 28 Quail Gardens, Selsdon Vale, South Croydon, Surrey CR2 8TF.

SUITS FOR ALL SEASONS

Maggie Andrews' latest book **All Seasons Suits** is a mix and match collection of skirts, tops, and jackets knitted in Bramwell Rania and Silky. There are three

tops, three skirts and three jackets, in sizes 10 to 24. These patterns include a style to suit all tastes and knitting abilities. The book is available for £3.99 from Bramwell stockists, or £4.25, including postage, direct from Maggie Andrews, 79 Hookfield, Harlow, Essex CM18 6QQ.



T op of the range

SRJ70 ribber from Silver Knitting Machines

Silver Reed knitters who have always wanted to produce the wonderful Bird's Eye double Jacquard fabric will be delighted with this ribber.

The SRJ70 ribber from Silver Knitting Machines has the in-built facility to select alternate needles to knit, leaving the in between needles to slip. This has the effect of reducing the total number of knitted rows on the ribber side of the fabric so that they are exactly the same as the front. For example, taking the carriage from left to right the yarn will knit on needles 1, 3, 5, 7 and so on. On the return to the left the yarn will knit on the needles that slipped on the last row, in this example needles 2, 4, 6 and so on. Therefore, when knitting two colour Jacquard, there will only be two full rows of knitting on the ribber for every two rows on the main bed.

Bird's Eye Jacquard really is the ultimate Jacquard fabric, the main benefits of which are a softer more fluid fabric, reduction of background shadowing and correct stitch proportions in the pattern.

Any knitter who has worked stripe Jacquard will know all about the firm, ridged fabric and elongation of stitches that can occur when several rows are knitted on the ribber for every pair of rows on the main bed.

With the alternate slip setting on the ribber bed, even 4 ply yarns knit like a dream, allowing the production of a variety of excellent fabrics for cut and sew.

The Silver Reed SRJ70 will also produce all the standard ribber

fabrics we have become accustomed to knitting – 1x1, 2x2, Double rib, Wide rib, Pleats, Tubular, English rib, Herringbone Swing, Drive Lace, Pin Tuck, Punch Tuck and Pile knitting.

All of your current accessories, YC6 Colour Changer (or YC5 Colour Changer), RT1 Rib Transfer Carriage, Shadow Lace Transfer Tool and needle bed covers will of course fit on the SRJ70. The YC6 colour changer is invaluable for knitting Double Jacquard and can also be used to add stripes of colour to any of the rib fabrics. Particularly effective is a multi-coloured release stitch for an open, lacy, summer fabric.

Silver Reed and Knitmaster knitters who have already purchased the SRP60N ribber can update it to the equivalent of the

Silver Reed SRJ70 by adding the Silver Reed RJ1 Jacquard carriage.

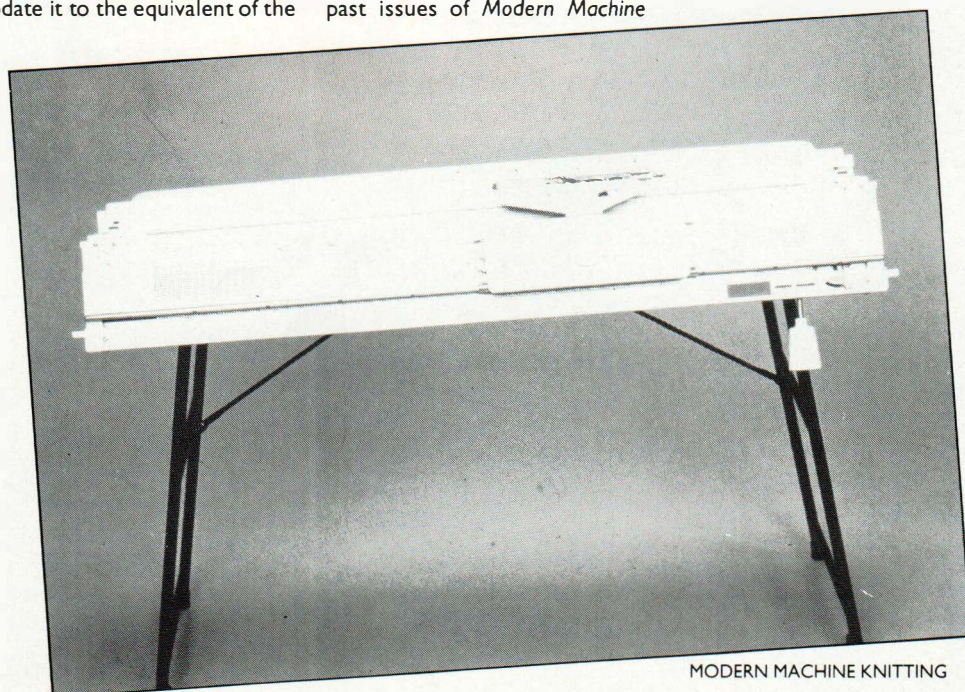
Don't just use your ribber for the welts and cuffs of garments! The purchase of a new accessory is always a good time to try out ideas, while you are still full of enthusiasm. Whether you have just purchased the new SRJ70 ribber, or added the RJ1 Jacquard carriage to your existing ribber, now is a good time to try out some of the more unusual fabrics.

Punchcard machine owners can use the pre-punched sets 57 for Tuck Rib, 71 for Pile Knitting, 72 for Drive Lace or 73 and 74 for Double Jacquard. Electronic machine owners have many patterns that can be used for rib fabrics, in the original set of mylar sheets (see *Finishing Touch* in past issues of *Modern Machine*

Knitting for ribber fabric ideas). Also, do remember that electronic knitters can instantly convert any Fair Isle design into two colour Double Jacquard by pressing variation switch No. 6. Three colour patterns can be quickly converted into Double Jacquard with the addition of the PE1.

Ask your authorised Silver Reed dealer for a free demonstration of the SRJ70 Ribber now and you too can knit soft handle fabrics with no floats to catch unwary fingers.

For the address of your local stockist please send a stamped addressed envelope to Silver Reed SRJ70 Stockist, Silver Knitting Machines Ltd, Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.





Babar sweater

Here's a colourful character we all love – and he's guaranteed to be a great 'big' hit with all young boys and girls.

BACK

Push 84 [90, 96, 114, 126, 138] Ns at centre to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000 *. Using MC, K 132 [132, 136, 168, 176, 184] rows.

Shape Shoulders

Cast off 9 [9, 10, 12, 14, 16] sts at beg of next 4 rows and 8 [10, 10, 14, 14, 15] sts at beg of foll 2 rows. Using WY, K a few rows over rem 32 [34, 36, 38, 42, 44] sts and release from machine.

FRONT

Work as for back to *. Using MC, K 2 [2, 4, 24, 24, 28] rows. Cont in intarsia from chart over centre 80 Ns, K 114 [114, 112, 120, 124, 128] rows. RC shows 116 [116, 116, 144, 148, 156].

Shape Neck

Push 52 [56, 59, 68, 76, 82] Ns at left to HP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge on every row until 26 [28, 30, 38, 42, 47] sts rem. K 9 [9, 12, 15, 19, 18] rows.

Shape Shoulder

Cast off 9 [9, 10, 12, 14, 16] sts at

beg of next and foll alt row, K 1 row. Cast off rem 8 [10, 10, 14, 14, 15] sts. With carriage at right, push 20 [22, 22, 22, 26, 26] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

cast on and K a few rows ending with carriage at right. Set RC at 000. Using MC, K 2 rows. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 56 [66, 64, 86, 80, 86] sts, then on every foll 6th row until there are 78 [84, 90, 108, 114, 120] sts. K 9 [9, 17, 9, 13, 13] rows. RC shows 82 [90, 106, 122, 130, 130]. Cast off.

SLEEVES

Push 52 [52, 58, 62, 72, 78] Ns at centre to WP. Using MT and WY,

WELTS

With P side facing and using 3 10 ►

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for 6.5 mm double knitting machines with intarsia facility.

MATERIALS

Patons Beehive DK.

5 [5, 6, 8, 10, 11] x 50g balls in Background Colour (MC).

1 x 50g ball in Black, White, Grey, Red, Yellow and Green.

Pair of 3 mm knitting needles.

The fibre content of this yarn is 45% Acrylic, 40% Nylon, 15% Wool. For further information about this yarn, please write to the following address:- Patons & Baldwins Ltd., PO Box 22, Darlington, Co. Durham DL1 1YQ.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 15.

MEASUREMENTS

To fit bust or chest 61 [66, 71, 76-82, 87-92, 97-102] cm, 24 [26, 28, 30-32, 34-36, 38-40] in.

Actual size 68 [73, 78, 93, 103, 113] cm, 27 [29, 31, 36 1/2, 40 1/2, 44 1/2] in.

Length to shoulder 46 [46, 47.5, 60, 62.5, 65] cm, 18 [18, 19, 23 1/2, 24 1/2, 25 1/2] in.

Sleeve seam 30.5 [33, 38, 45.5, 48, 48] cm, 12 [13, 15, 18, 19, 19] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

24 stitches and 32 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 4).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.

Always twist yarns together when changing colours in intarsia to prevent a hole forming.

Work 110 rows in intarsia pattern, then cont in MC.

Babar sweater

◀ 9

mm needles, pick up 84 [90, 96, 114, 126, 138] sts along lower edge. With K side facing and using MC, K 1 row, dec 9 [9, 9, 13, 13, 13] sts evenly. 75 [81, 87, 101, 113, 125] sts.

1st Rib Row: P 1, * K 1, P 1; rep from * to end.

2nd Rib Row: K 1, * P 1, K 1; rep from * to end.

Rep these 2 rows until welt measures 5 [5, 5, 7.5, 7.5, 7.5] cm, 2 [2, 2, 3, 3, 3] in. Cast off in rib.

CUFFS

With P side facing and using 3 mm needles, pick up 52 [52, 58, 62, 72, 78] sts along lower edge of sleeve. With K side facing and using MC, K 1 row, dec 7 [7, 9, 9, 9, 9] sts evenly. 45 [45, 49, 53, 63, 69] sts. Cont in rib as for welts until cuff measures 5 [5, 5, 7.5, 7.5, 7.5] cm, 2 [2, 2, 3, 3, 3] in. Cast off in rib.

NECKBAND

Join right shoulder seam. With right side facing and using 3 mm needles and MC, pick up and K 19 [19, 23, 27, 31, 31] sts down

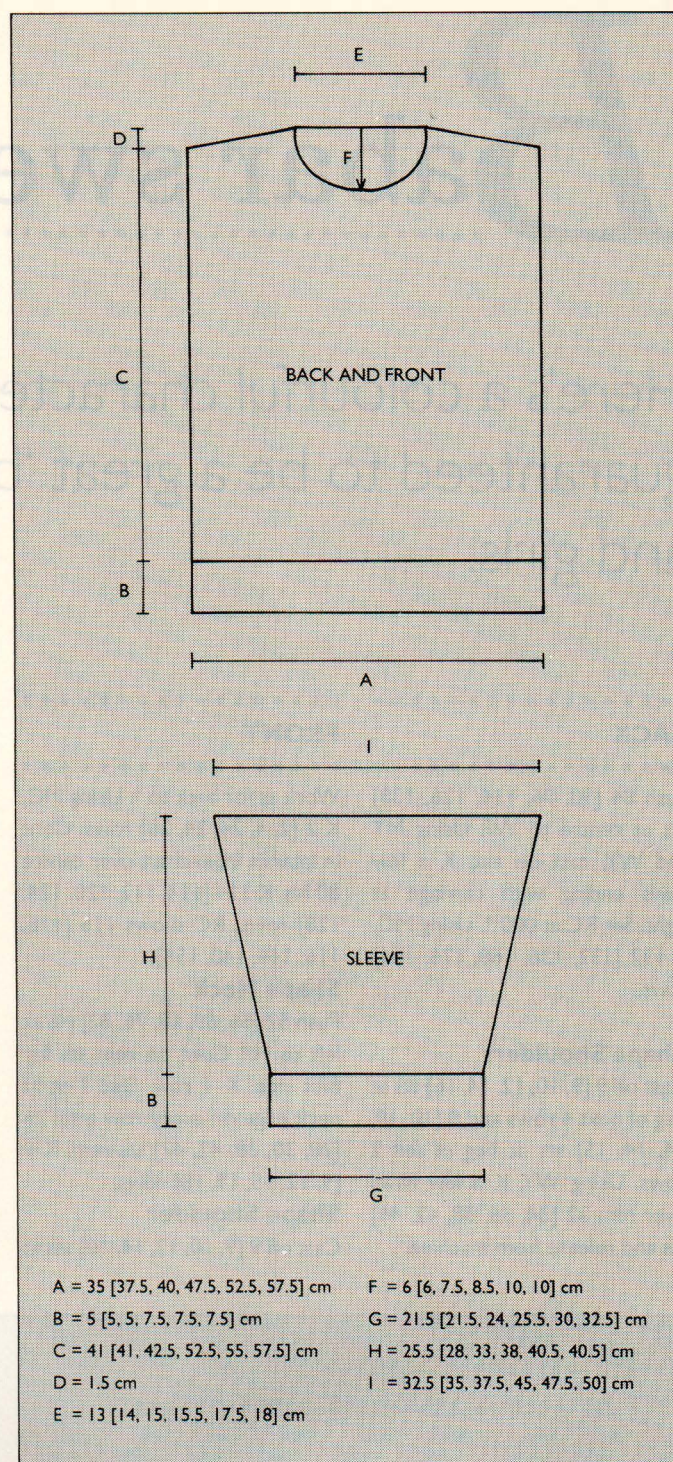
left side of front neck, 20 [22, 22, 22, 26, 26] sts across front neck, 19 [19, 23, 27, 31, 31] sts up right side of front neck and 32 [34, 36, 38, 42, 44] sts across back neck, dec 1 st at centre. 89 [93, 103, 113, 129, 131] sts. Cont in rib as for welts for 5 [5, 5, 7.5, 7.5, 7.5] cm, 2 [2, 2, 3, 3, 3] in. Cast off loosely in rib.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press lightly under a dry cloth using a cool iron.

MAKING UP

Join left shoulder and neckband seam. Fold neckband in half to inside and sew loosely in position. Set in sleeves matching centre to shoulder seams. Join side and sleeve seams. Washing Instructions: For Patons Beehive DK – machine wash, machine dry.



12 ►

SUGGESTION BOX

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Here's your chance to have your say – and you don't even have to sit down and write a letter. Simply write your suggestion or comment in the space below and pop it in the post to us. We'll do our very best to make sure *Modern Machine Knitting* is the magazine you want.

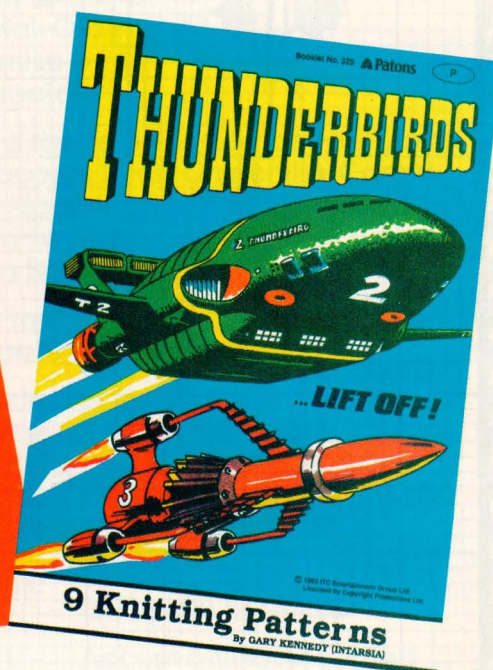
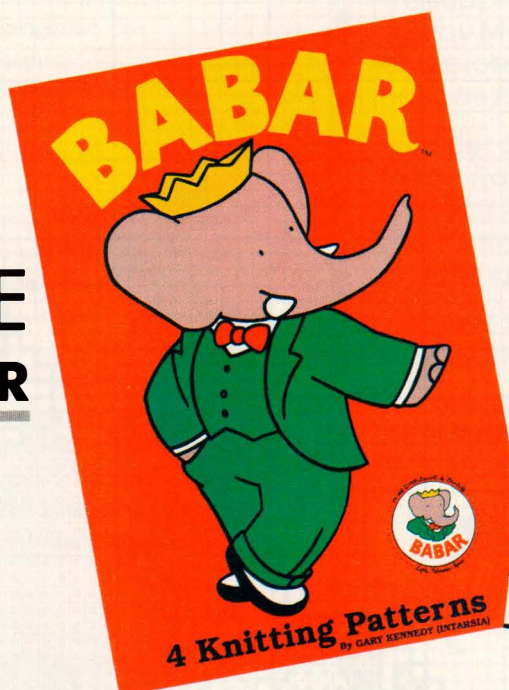
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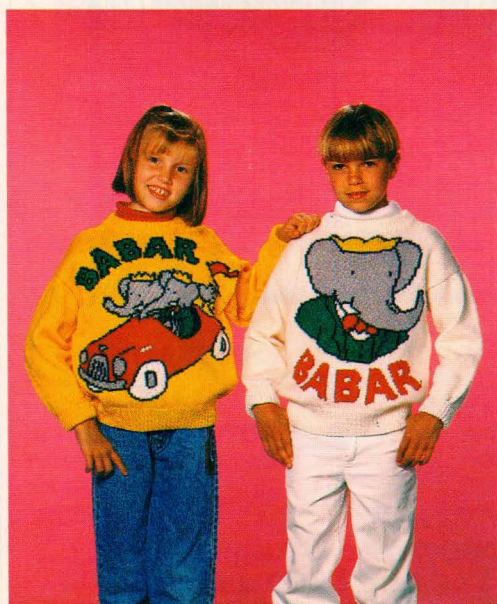
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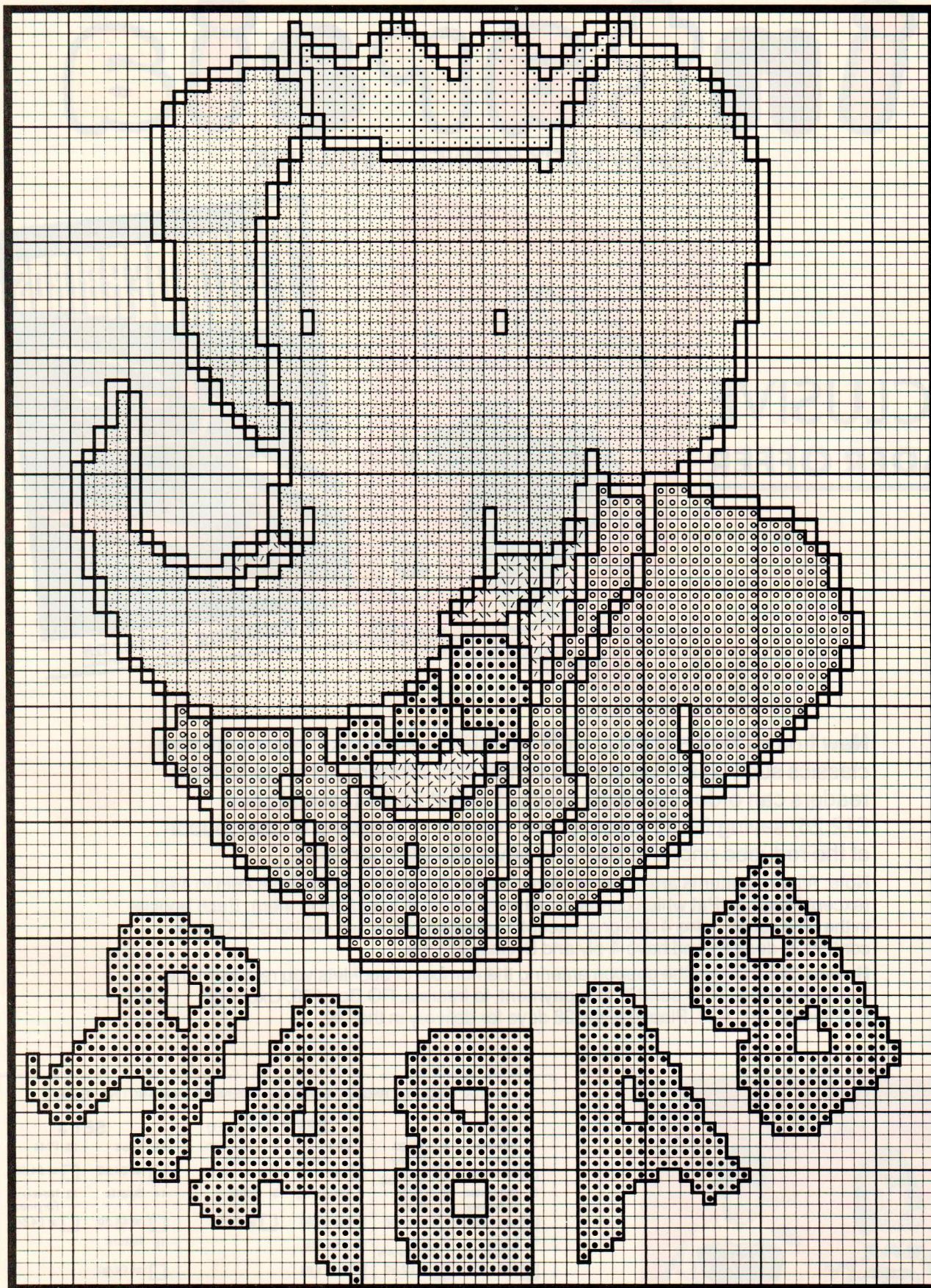
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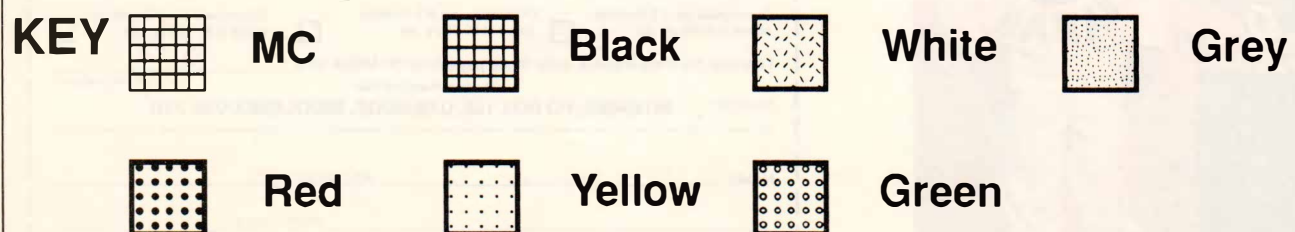
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MODERN MACHINE KNITTING



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Geometric gallery

Build up this exclusive and versatile collection of short float Fair Isle designs month by month for use on your favourite knitwear patterns. Jane's creative ideas are all based on geometric inspirations and can be used in a variety of ways to produce a really individual look.

'QUATREFOIL' FOR 24 STITCH PUNCHCARD AND ELECTRONIC MACHINES

I discovered the magical ancient city of York and the splendour of its architecture whilst living in the North-East of England.

York Minster displays decorative elements of Gothic architecture. My design this month is vaguely based on the quatrefoil – a formalised four-leaf motif, especially the pierced pattern on the tracery of a Gothic window.

DESIGN IDEAS

'Quatrefoil' is an all-over geometric pattern and is suitable for 24 stitch punchcard and electronic machines. I have also included a border pattern to complement the design using the punchcard border chart or for electronic machines use the border repeat twice, that is, twenty rows. This border design also looks very effective used as an interesting all-over pattern.

'Quatrefoil' has the quality of a sophisticated versatile design and is particularly suitable for all members of the family. The over-all effect you wish to achieve is determined by the use of soft

toned or bold colour combinations. For my samples I have used Brockwell Yarns Mercerised Cotton in subtle colours more in keeping with natural stone and its surrounds. Also, for a touch of elegance, I have used a yarn with a strand of Lurex added; this gives a subtle but sparkling effect. I used Brockwell Yarns four ply Mercerised Cotton/Lurex mix. The use of Mercerised Cotton – which has a sheen – enhances the design, rather than the flat matt effect given by using plain cotton.

SAMPLE 1

(24 stitch Punchcard and Electronic Machines)

'Quatrefoil' all-over design. 12 row repeat. (Greenstone 605 background with Blush 614 contrast.)

SAMPLE 2

(24 stitch Punchcard and Electronic Machines)

'Quatrefoil' border design. 10 row repeat. Use border punchcard chart or work electronic border repeat twice, that is 20 rows. (Greenstone 605 background with Blush 614 and 4-ply Gold Lurex Chainette 15 contrast.)

SAMPLE 3

(24 stitch Punchcard and Electronic Machines)

'Quatrefoil' border design used as an all-over pattern. (Pale Turquoise 617 background with Greenstone 605 contrast.)

SAMPLE 4

(24 stitch Punchcard and Electronic Machines)

'Quatrefoil' border design as an all-over pattern using the DOUBLE LENGTH pattern variation facility – punchcard machines with this can set every row to knit twice OR, if this is

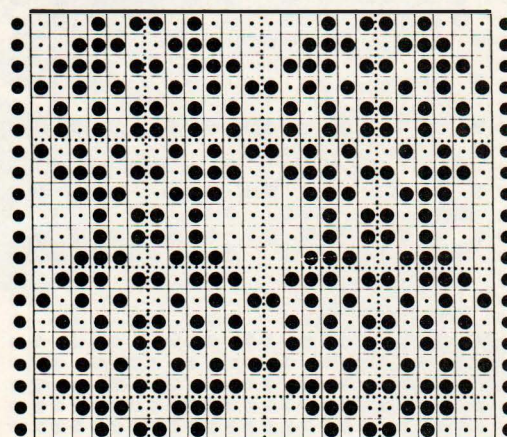
not available, punch each row of the ten row repeat twice on the card. (Greenstone 605 background with Black/Gold Lurex mix contrast.)

SAMPLE 5

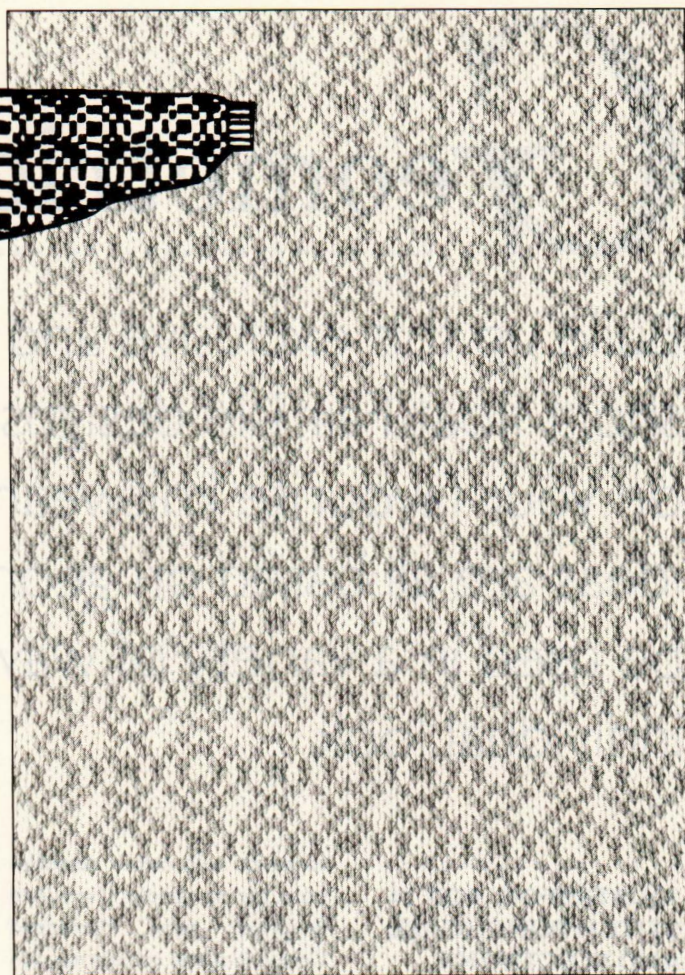
(Electronic Machines)

'Quatrefoil' all-over design – use the FIRST 7 ROWS ONLY – plus the DOUBLE WIDTH AND LENGTH (equals 24 stitches double width and 14 rows double length) pattern variation facility. Alternate the contrast colour after every 14 row repeat. (Greenstone 605 background and Black/Gold Lurex mix with Pale Turquoise contrast.)

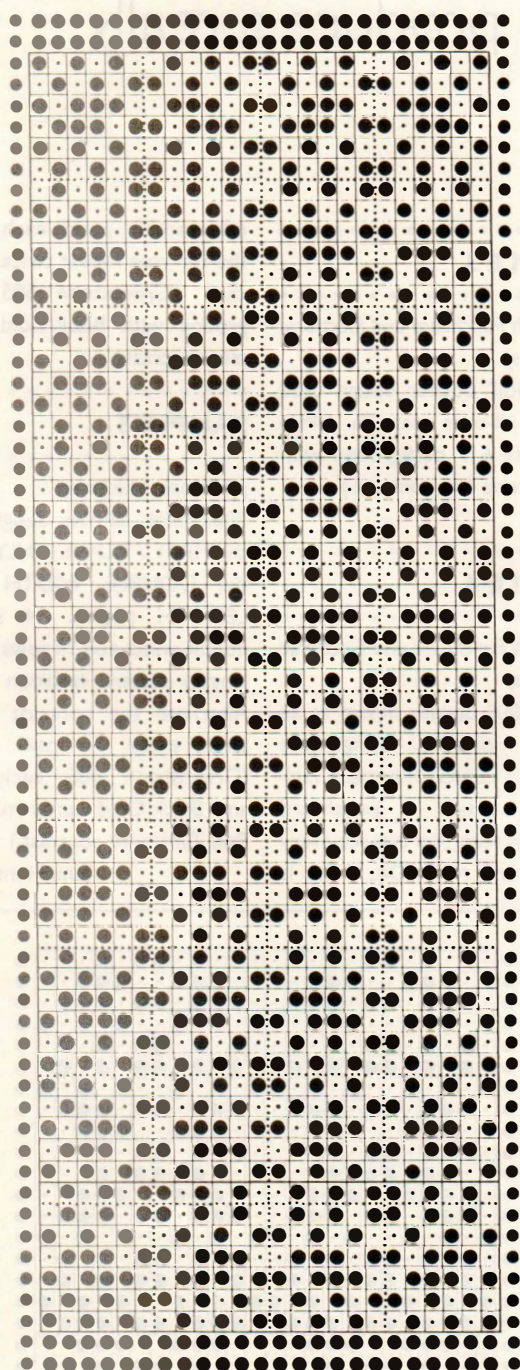
Jane Huntingford



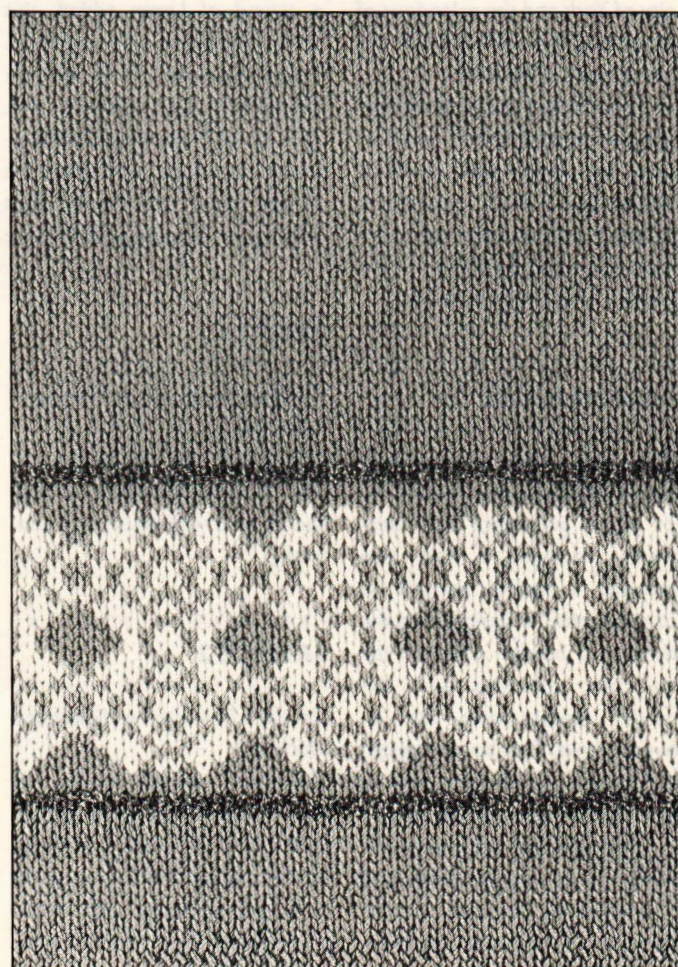
'QUATREFOIL' BORDER PATTERN



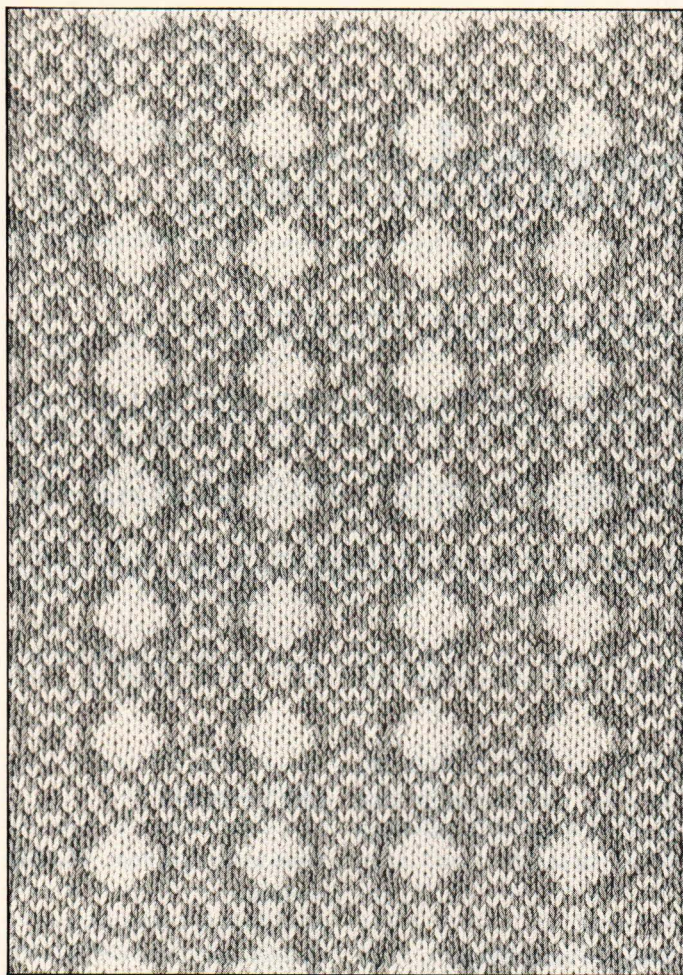
SAMPLE 1



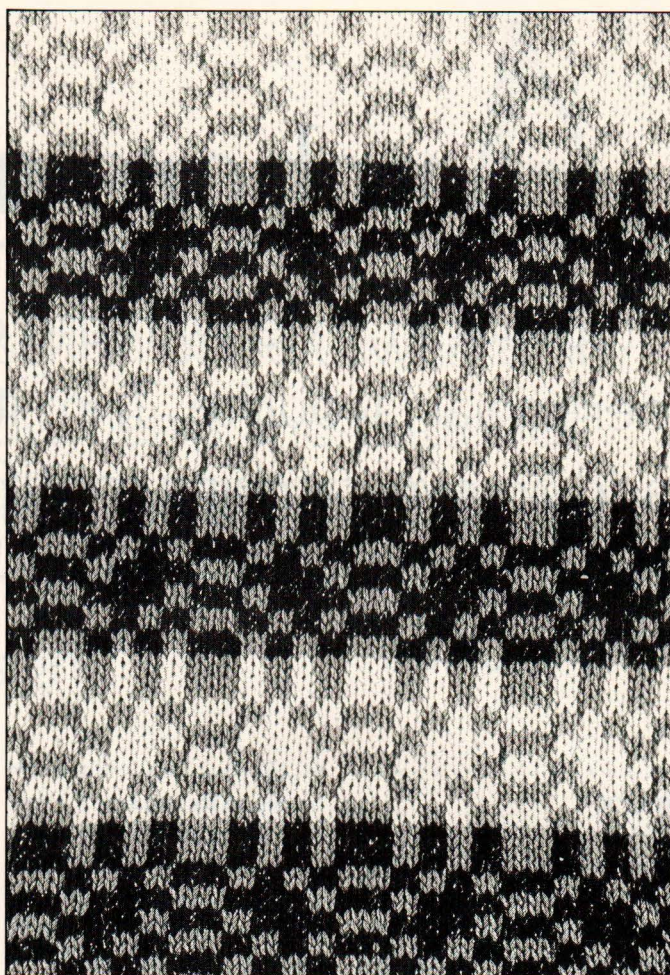
'QUATREFOIL' ALL-OVER PATTERN



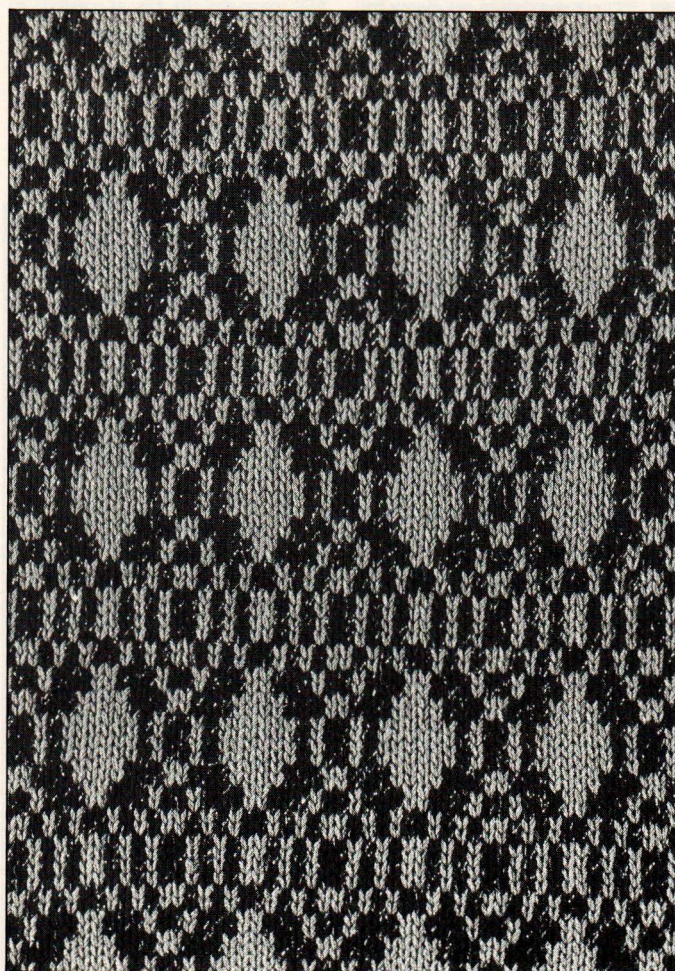
SAMPLE 2



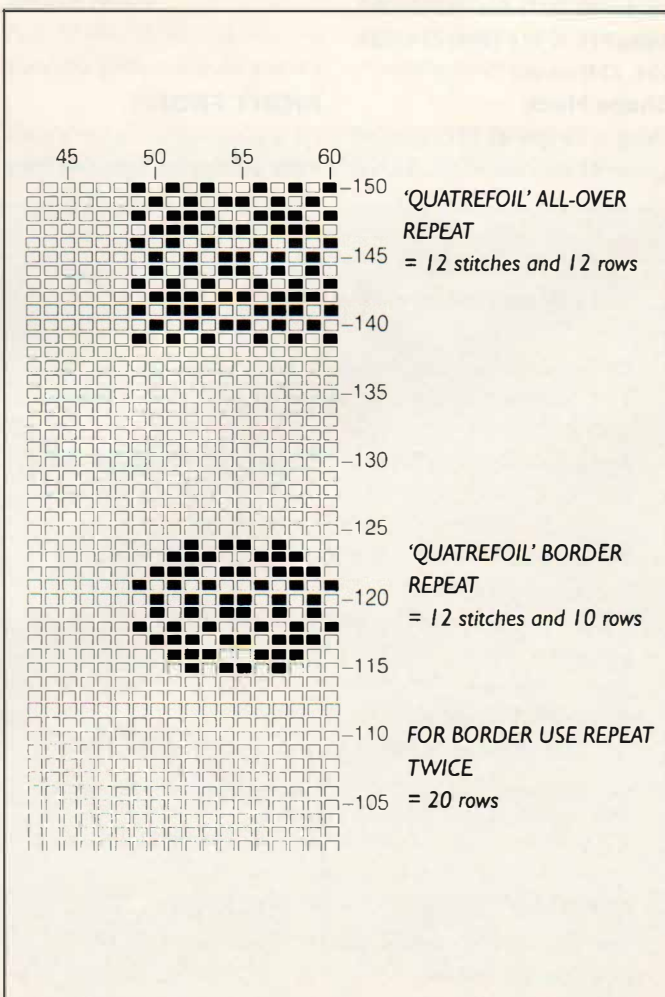
SAMPLE 3



SAMPLE 5



SAMPLE 4



A

anchors away!

Step out in style with the classic look that's a perennial favourite. Trim it with something simple or add an eye-catching motif to team with this season's separates. It's Fran Francis' exclusive design for MMK this month.

BACK

With carriage at right and using MY, cast on 136 [144, 150, 158, 164, 172] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 40 rows. Transfer sts for st st *. Set RC at 000. Using MT, K 214 [214, 214, 224, 224, 224] rows.

Shape Neck

Using a length of MY, cast off centre 42 sts. Push 47 [51, 54, 58,

61, 65] Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of every row until 41 [45, 48, 52, 55, 59] sts rem. K 1 row. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

RIGHT FRONT

With carriage at right and using

MY, cast on 68 [72, 75, 79, 82, 86] sts in 1x1 rib. Work as for back from * to *. Set RC at 000. Using MT, K 110 rows.

Shape Front Edge

Dec 1 st at left edge (right edge on left front) of next and every foll 4th row until 45 [49, 52, 66, 69, 73] sts rem, then on every foll 5th row until 41 [45, 48, 52, 55, 59] sts rem. K 3 rows. RC shows 222 [222, 222, 232, 232, 232]. Using WY, K a few rows and release from machine.

LEFT FRONT

Work as for right front, reversing shapings.

SLEEVES

With carriage at right and using MY, cast on 70 sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 30 rows. Transfer sts for st st. Set RC at

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge machines with a ribber.

If you don't have a ribber, work ribs in mock rib as page 61.

MATERIALS

Forsell's 2-ply Cotton.

2 x 250g cones in White (MY).

6 buttons.

Anchor motif.

GARMENT WEIGHT

Finished garment in fourth size weighs 455g.

The fibre content of this yarn is 100% Cotton. For further information about this yarn, please write to the following address:-

T. Forsell & Son Ltd., Blaby Road, South Wigston, Leicester LE8 2SG.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 6.

MEASUREMENTS

To fit bust 82 [87, 92, 97, 102, 107] cm, 32 [34, 36, 38, 40, 42] in.

Actual size, 95 [101, 105, 111, 115, 121] cm, 37 1/2 [39 1/2, 41 1/2, 43 1/2, 45 1/2, 47 1/2] in.

Length to shoulder 63.5 [63.5, 63.5, 66, 66, 66] cm, 25 [25, 25, 26, 26, 26] in.

Sleeve seam 48 cm, 19 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch using two strands of yarn (tension dial approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Two strands of yarn are used together throughout.

Cable Pattern

K 4 rows. * Cross 3 sts at left in front of 3 sts at right. K 8 rows. Rep from * throughout.





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◀ 16

000. Using MT, shape sides by inc 1 st at each end of every 3rd row until there are 82 sts, then on every foll 4th row until there are 156 sts. K 2 rows. RC shows 168. Cast off.

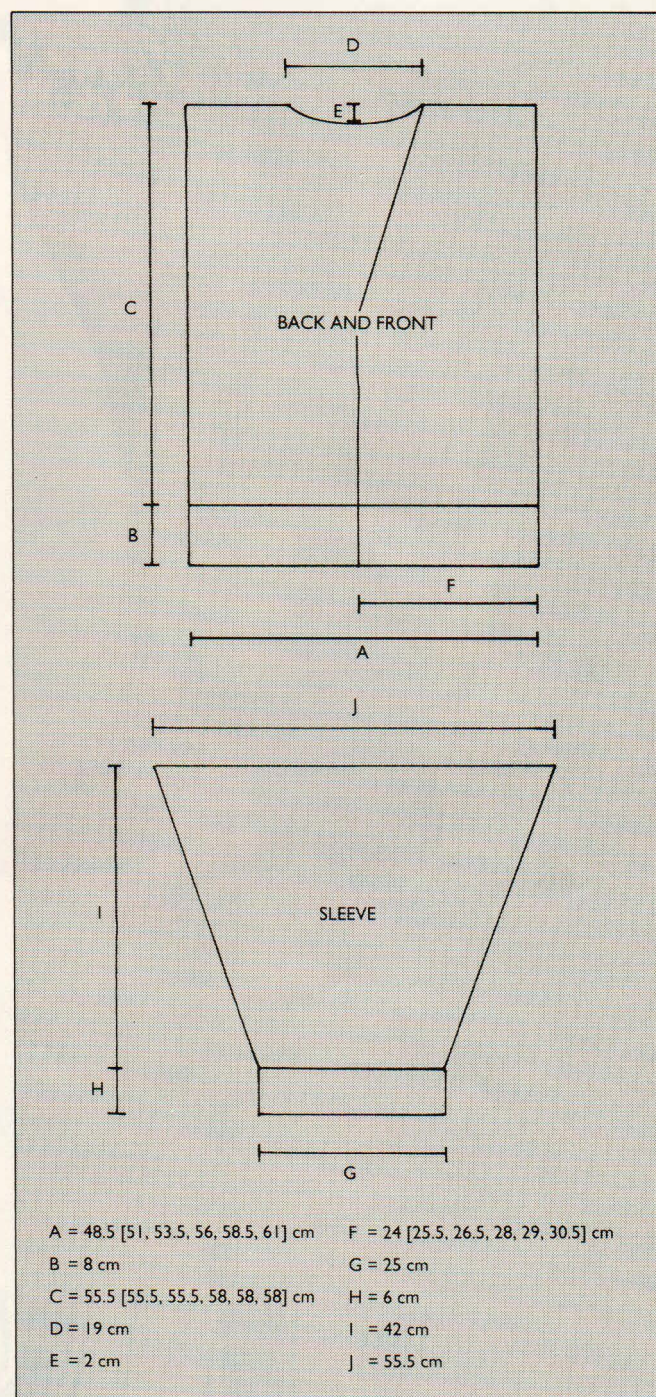
shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MY, K 1 row. Cast off.

TO JOIN RIGHT SHOULDER

Push 41 [45, 48, 52, 55, 59] Ns to WP. With K side of right back

TO JOIN LEFT SHOULDER

Work as for right shoulder reading left for right.



FRONT BORDER

With carriage at right, push 12 Ns on each bed to WP for full needle rib/double rib. Using MY, cast on and K 5 tubular rows. Carriage is at right. Set carriage for full needle rib/double rib knitting. Set RC at 000. Using MT-5/MT-5, K 6 rows. * Make a buttonhole over centre 2 Ns on each bed. K 28 rows. Rep from * 4 times more. Make another buttonhole over same Ns as before. K until border, when slightly stretched, fits up front edge, around back neck and down front edge. Transfer sts to back bed. Cast off.

CABLE BANDS (MAKE 2)

Using MY, cast on 12 sts by hand.

Set RC at 000. Using MT, cont in cable patt over centre 6 sts. K until long enough to fit across top of sleeve. Cast off.

PRESSING

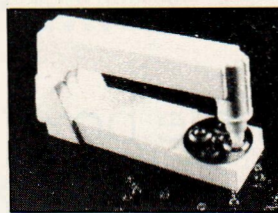
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Set in sleeves matching centre to shoulder seams. Join side and sleeve seams. Sew cable bands to top of sleeves. Sew front border in position. Finish buttonholes and sew on buttons to correspond. Sew on motif.

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for MODERN MACHINE KNITTING readers



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BACK

Push 140 [154, 162] Ns at centre to HP. * With carriage at right and using MC, cast on by hand. Set RC at 000. Using MT-2, K 27 rows. Using MT-1, K 2 rows. Insert card and lock on first row. Using B, K 1 row. Using MC, K 1 row. Release card and cont in Fair Isle with MC in feeder 1/A and A in feeder 2/B, K 15 rows. Remove card. Cont in st st. Using MC, K 1 row. Using B, K 1 row. Using MC, K 2 rows. Make a hem by placing cast on sts on to corresponding

Ns *. Set RC at 000. Using MT, K 116 rows.

Shape Armholes

Cast off 17 sts at beg of next 2 rows. 106 [120, 128] sts. K 102 rows. RC shows 220.

Shape Shoulders

Set carriage for partial knitting. Push 10 Ns at opposite end to carriage to HP on next 4 rows and 14 [19, 21] Ns on foll 2 rows. Using WY, K a few rows over rem 38 [42, 46] Ns and release from machine. Push 34 [39, 41]

Ns at right from HP to UWP. Using MT and MC, K 1 row. Using WY, K a few rows and release from machine. Push 34 [39, 41] Ns at left from HP to UWP. Using MT and MC, K 1 row. Using WY, K a few rows and release from machine.

Shape Armhole

Cast off 17 sts at beg of next row. 53 [60, 64] sts. K 66 rows.

Shape Neck

Cast off 10 sts at beg of next row. Dec 1 st at neck edge of next and every foll alt row until 34 [39, 41] sts rem. K 20 [16, 12] rows.

Shape Shoulder

Set carriage for partial knitting. Push 10 Ns at opposite end to carriage to HP on next and foll alt row, K 1 row. Push Ns from HP to UWP, K 1 row. Using WY, K a few rows and release from machine.

RIGHT FRONT

Push 70 [77, 81] Ns at right of centre to HP. Work as for back from * to *. Set RC at 000. Using MT, K 116 rows.

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines.

MATERIALS

Celandine Jamie 4-ply.
1 x 500g cone in Navy (MC).
1 x 50g ball in Red (A).
1 x 50g ball in White (B).
9 buttons.

GARMENT WEIGHT

Finished garment in first size weighs 460g.

The fibre content of this yarn is 100% Superwash Wool. For further information about this yarn, please write to the following address:- Celandine Ltd., 44 Kirkgate, Otley, West Yorkshire LS21 3HJ.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 11.

MEASUREMENTS

To fit bust 87-92 [97-102, 107] cm, 34-36 [38-40, 42] in.
Actual size 95 [105, 110] cm, 37½ [41½, 43½] in.
Length to shoulder 59.5 cm, 23½ in.
Sleeve seam 42.5 cm, 17 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

29 stitches and 41 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 6**).
For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch card, as shown, or fill in pattern card using punchcard as a guide, before starting to knit. When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming. Push Ns to HP for first 3 or 4 rows of knitting after cast on (setting machines to knit sts back to WP).





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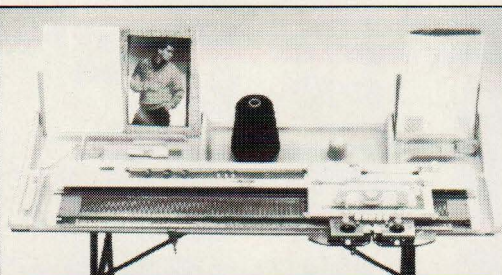
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LEFT FRONT

Work as for right front, reversing shapings by reading left for right.

SLEEVES

Push 98 Ns at centre to HP. Using MC, cast on by hand. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 13th row until there are 118 sts. K 20 rows. RC shows 150.

Shape Top

Cast on 14 sts at beg of next 2 rows. 146 sts. K 24 rows. RC shows 176. Using MT+3*, K 2 rows. Using a latch tool, cast off.

CUFFS

Push 65 Ns to WP. With P side facing, pick up 65 cast on sts along lower edge of sleeve and place on to Ns. Insert card and lock on first row. Set RC at 000. Using MT-1 and MC, K 2 rows. Using B, K 1 row. Using MC, K 1 row. Release card and cont in Fair Isle with MC in feeder 1/A and A in feeder 2/B, K 15 rows. Remove card. Cont in st st. Using MC, K 1 row. Using B, K 1 row. Using MC, K 2 rows. Using MT-2, K 28 rows. Make a hem by placing cast on sts from sleeve on to corresponding Ns. Using MT+3*, K 2 rows. Using a latch tool, cast off.

TO JOIN RIGHT SHOULDER

Push 34 [39, 41] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MC, K 1 row. Cast off.

TO JOIN LEFT SHOULDER

Work as for right shoulder but

read left for right.

NECKBAND

Push 116 [124, 132] Ns at centre to WP. With P side facing, pick up 38 [40, 42] sts up left front neck, 40 [44, 48] sts across back neck and 38 [40, 42] sts down right front neck and place on to Ns. Unravel WY. Insert card and lock on 8th row. Take carriage across twice without knitting. Set RC at 000. Using MT-1 and MC, K 1 row. Release card and cont in Fair Isle with MC in feeder 1/A and A in feeder 2/B, K 8 rows. Remove card. Cont in st st. Using MC, K 1 row. Using B, K 1 row. Using MC, K 2 rows. Using MT-2, K 15 rows. Make a hem by placing previously picked up sts on to corresponding Ns. Using MT+3*, K 2 rows. Using a latch tool, cast off.

BUTTONHOLE BAND

Push 154 Ns at centre to WP. With P side facing, pick up sts along front edge and place on to Ns. Insert card and lock on 8th row. Take carriage across twice without knitting. Set RC at 000. Using MT-1 and MC, K 1 row. Release card and cont in Fair Isle with MC in feeder 1/A and A in feeder 2/B, K 6 rows. Make 7 evenly spaced buttonholes over 4 Ns. K 2 rows. Remove card. Cont in st st. Using MC, K 1 row. Using B, K 1 row. Using MC, K 2 rows. Using MT-2, K 7 rows. Make buttonholes over same Ns as before. K 8 rows. Make a hem by placing previously picked up sts on to corresponding Ns. Using MT+3*, K 2 rows. Using a latch tool, cast off.

BUTTON BAND

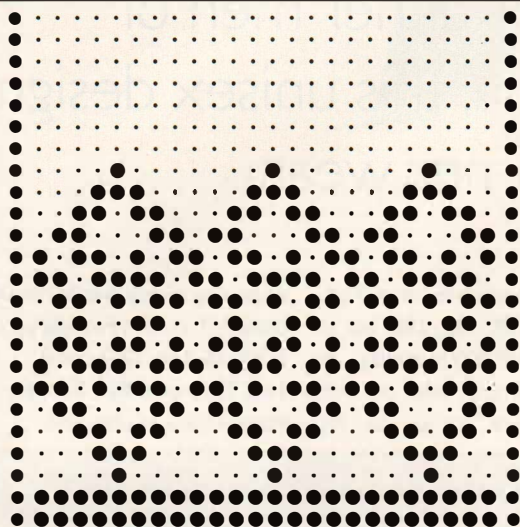
Work as for buttonhole band omitting buttonholes.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

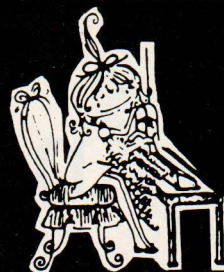
Set in sleeves. Join side and sleeve seams. Neaten ends of bands. Finish buttonholes and sew on buttons to correspond. Sew a button to each cuff.



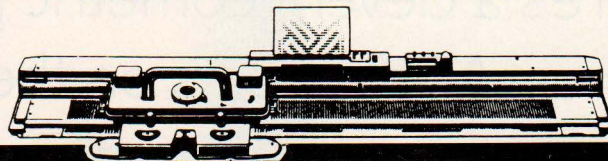
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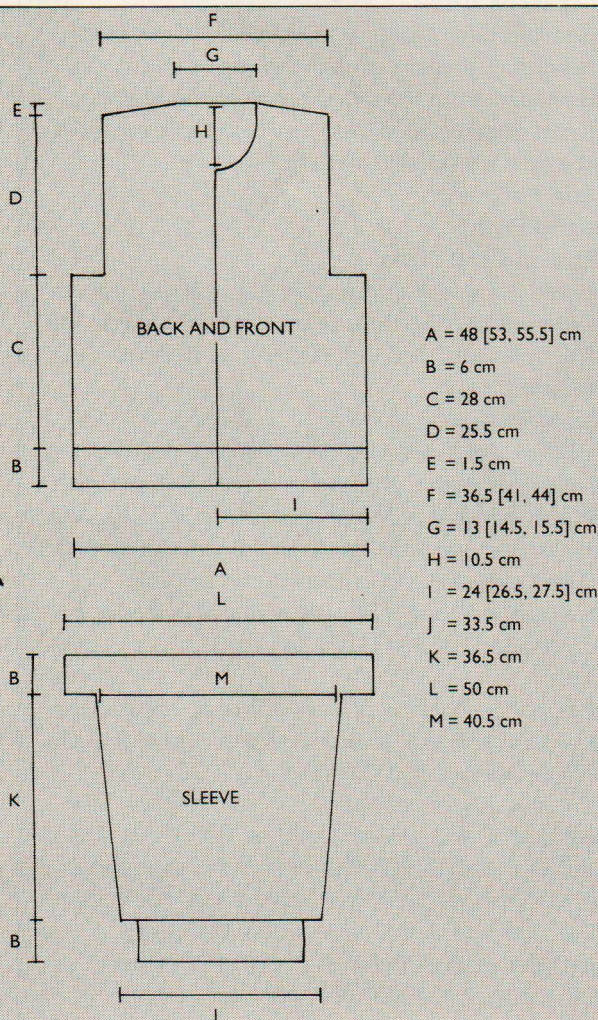
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MODERN MACHINE KNITTING

23

On parade

Here's a clever geometric pattern – with a hidden bonus. All the floats on the wrong side are short! It's a pattern that can be used for either men or women and knitted in soft cotton, this unisex design is cool and comfortable for summer wear.

BACK

With carriage at right and using MC, cast on 138 [152, 164, 180] sts in 1x1 rib. * K 5 tubular rows.

Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 35 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few

rows and release from machine *. Push 152 [168, 182, 198] Ns at centre to WP. With carriage at right and wrong side of welt facing, replace sts on to Ns

increasing evenly. Set RC at 000. Using MT, cont in Fair Isle patt. K 116 [116, 116, 120] rows.
1st, 2nd and 4th Sizes
Place marker at each end.

PATTERN RATING

*** For fairly experienced knitters.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with a ribber. If you don't have a ribber, work ribs in mock rib as page 61.

MATERIALS

King Cole Carolina Soft Cotton 4-ply.
1 x 500g cone in Scarlet (MC).
1 x 500g cone in Navy (C).

GARMENT WEIGHT

Finished garment in second size weighs 545g.

The fibre content of this yarn is 100% Cotton. For further information about this yarn, please write to the following address:- King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 11.

MEASUREMENTS

To fit bust or chest 87-92 [97-102, 107-112, 117-122] cm, 34-36 [38-40, 42-44, 46-48] in.
Actual size 101 [112, 122, 133] cm, 40 [44, 48, 52 1/2] in.
Length to shoulder 69 [69, 71, 74] cm, 27 [27, 28, 29] in.
Sleeve seam 50.5 [50.5, 52, 54] cm, 20 [20, 20 1/2, 21 1/2] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

29.5 stitches and 33 rows to 10 cm, 4 in measured over

Fair Isle pattern (tension dial approximately 8°).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.

Fair Isle Pattern

Back and Front

1st, 2nd and 3rd Sizes

Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 12 rows.

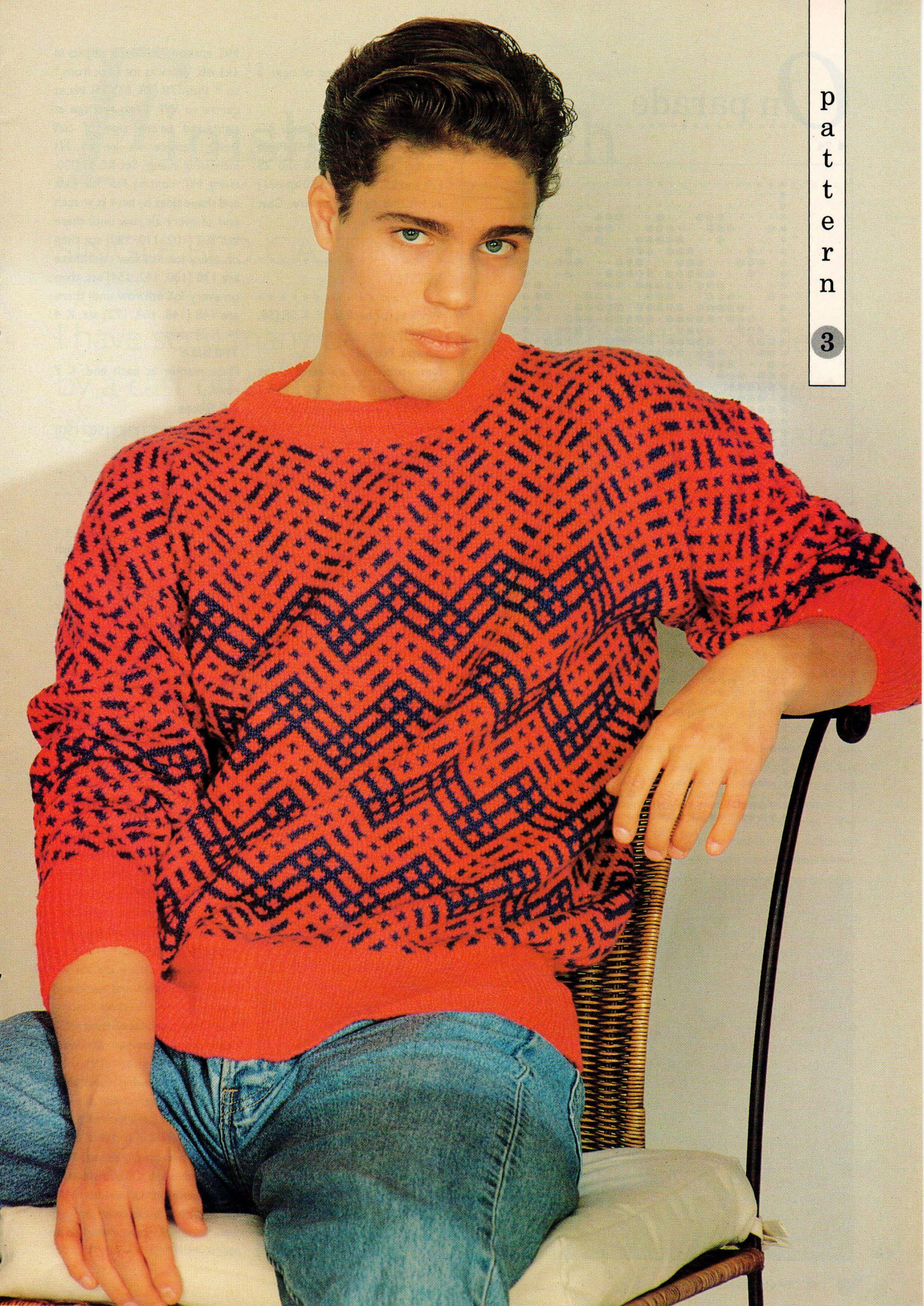
Remove card.

All Sizes

Insert card 1 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 120 [120, 120, 150] rows. Remove card. Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 66 [66, 74, 66] rows.

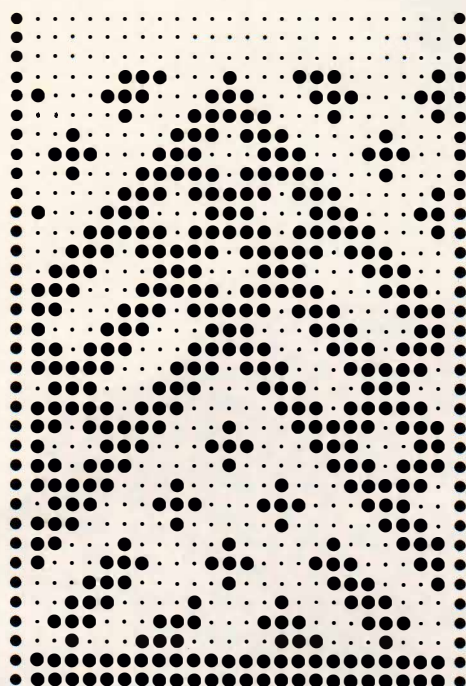
Sleeves

Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 36 rows. Remove card. Insert card 1 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 30 rows. Remove card. Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1 and C in feeder 2. K 72 [72, 84, 84] rows.

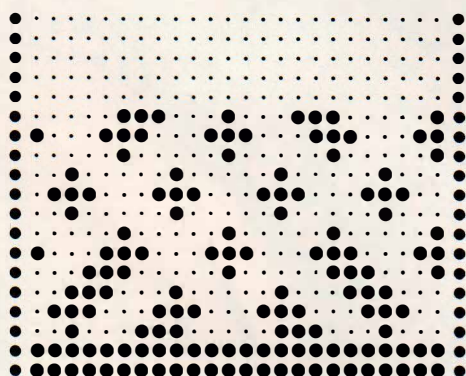


On parade

◀ 24



PUNCHCARD 1



PUNCHCARD 2

3rd Size

Cast off 6 sts at beg of next 2 rows. 170 sts.

All Sizes

** K 82 [82, 88, 96] rows. RC shows 198 [198, 206, 216]. Place marker between sts 28 and 29 [28 and 29, 28 and 29, 30 and 31] at left and right of centre. Cast off.

FRONT

Work as for back to **. K 58 [58, 60, 68] rows.

Shape Neck

Note patt row on card. Using nylon cord, K 89 [97, 98, 112] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of every row until 50 [58, 59, 73] sts rem, then on every foll alt row until 48 [56, 57, 69] sts rem. K 7 [7, 11, 7] rows. Cast off. With carriage at right, unravel nylon cord over 26 Ns at right bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using

MC, cast on 72 [72, 78, 84] sts in 1x1 rib. Work as for back from * to *. Push 78 [78, 86, 94] Ns at centre to WP. With carriage at right and wrong side of cuff facing, replace sts on to Ns increasing evenly. Set RC at 000. Using MT, cont in Fair Isle patt and shape sides by inc 1 st at each end of every alt row until there are 102 [102, 110, 120] sts, then on every foll 4th row until there are 130 [130, 142, 154] sts, then on every foll 6th row until there are 148 [148, 160, 172] sts. K 4 [4, 1, 2] rows.

3rd Size

Place marker at each end. K 7 rows.

All Sizes

RC shows 138 [138, 150, 150] Cast off.

NECKBAND

Join right shoulder seam. Push 144 [144, 150, 160] Ns to WP. With K side facing, pick up 144 [144, 150, 160] sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and MC, K 1 row. Transfer sts for 1x1 rib. Using MT-5/MT-5, K 26 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join left shoulder and neckband seam.

1st, 2nd and 4th Sizes

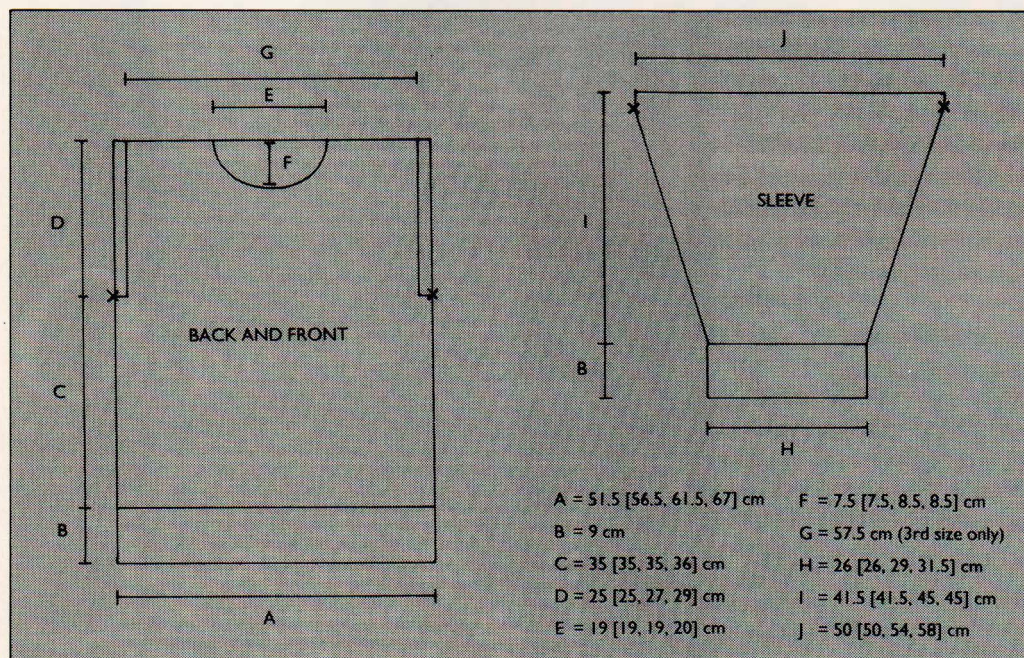
Set in sleeves between markers.

3rd Size

Set in sleeves, sewing rows above markers to cast off sts at armholes.

All Sizes

Join side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.



Finishing touch

SINGLE BED CASTING OFF

I have seen many beautiful pieces of knitting spoiled by a cast off that is too tight. When making garments it's important to choose a cast off that's appropriate to that particular piece of knitting.

Shoulders cast off too tightly will pucker the knitting at the seam, or cast off too loosely will cause sleeves to elongate. Necks cast off too tightly could render the garment unwearable – I know because I did it on my daughter's first sweater! The same could happen to a skirt with a waistband cast off so tightly that it will not pull over hips.

As with casting on, there are many different methods and choosing the correct one is important. The four I have detailed here are the more common ones, but there are many others as well, some of which are described in full in *The Machine Knitting Tutor*.

A method of casting off shown in most instruction manuals transfers a stitch from the end needle on to the next needle in. The needle is brought forward until the stitches both slip behind the latch, the yarn is laid into the needle hook and the needle pulled backwards, knitting both stitches together. The newly created stitch is transferred to the next adjacent needle and the whole process is repeated until all stitches are cast off.

This method will cast off all the stitches, but it is the most likely to cause a very tight edge, unless

the work is weighted, or hooked back on to needles as stitches are cast off.

The following examples are some of my most used cast off methods. All samples are knitted in Forsell Double Knit pure wool on a Silver Reed SK890 chunky machine at tension 0.

TRANSFER TOOL CAST OFF BEHIND THE SINKER POSTS

Sample one is an example of this method. The basic principal of one stitch transferred to an adjacent needle with the two stitches then knitted together is the same as for the previously mentioned method. However, taking the stitch behind the sinker posts (gate pegs) keeps the work evenly tensioned.

There is almost no elasticity to this cast off and maximum stretch will be almost identical to the width of the sinker posts, between the edges of the knitted fabric. It is best used where you do not want the fabric to stretch much. For stitches other than tuck stitch this might include shoulder seams, necklines of boat neck and square neck styles, cardigan necklines and bands.

This method is also very useful for casting off several stitches at once at row ends. For example, when decreasing several stitches at underarm seam, I generally cast off behind the sinker posts, knit one row and then release the fabric from the sinker posts. If you forget to release the fabric it will bunch up at the edges, possibly causing problems with stitches not being knitted off properly. It would not be suitable for tuck stitches which make the fabric very wide. After knitting the last row remove the yarn from the feeder and slacken the tension on the tension mast so that the yarn runs freely.

Tension the work with your left hand. Use a single transfer tool. Place it on to the first needle, pulling it all the way out until the stitch falls behind the latch. Push back on the tool, which will push the needle back and cause the latch to close and the stitch to fall on to the transfer tool. Tilt the handle of the tool downwards to open the latch and remove the tool from the needle.

Now for the tricky part: lift the transfer tool upwards until it clears the top of the adjacent sinker post and, keeping the stitch behind the sinker post, hook the transfer tool eyelet on

to the next needle containing a stitch.

Lower the transfer tool so that it is horizontal and extends straight out from the new needle. Pull this needle forward until both stitches fall behind the latch and then remove the transfer tool from the needle hook.

With the right hand, lay the yarn into the needle hook and with the left thumb pull the needle backwards, knitting the yarn through both stitches.

Continue transferring the newly knitted-through stitch on to the adjacent needle, always taking it behind the sinker posts as described above, until you have cast off all stitches and are left with the end stitch on the last needle.

Break off the yarn and pull the end through the last stitch.

CHAIN CAST OFF WITH LATCH TOOL

This is a very popular method of casting off and indeed it works very well provided the main knitting is on a tension no higher than 7 and is not tuck stitch.

It can sometimes pull the fabric in at the cast off edge unless great care is taken when knitting the last row.

Finishing touch

◀ 27

The cast off edge has a chain stitch on the knit side, identical in appearance to the latch tool cast on. This also provides a good firm base for crochet edgings.

Its uses are the same as the previous method; however, it is not practical for casting off groups of stitches at row ends because we cannot easily knit a higher tension over selected needles.

Knit the last row from left to right at maximum tension. Some tension dials go beyond 10 by one, two or even three dots, but Silver Reed and Knitmaster owners should beware of going past 10 as I have heard that the tension dial is removed for repair in this way and so might pop off!

Before knitting the row, pull the yarn down slightly from the tension wire to minimise tension on it. Knit a few stitches, until the yarn starts to pull the tension wire down, stop and release the tension again. Repeat this until

you have knitted the whole row.

Break the yarn off before starting the cast off – this stops the edge stitches becoming tight.

Place the hook of the latch tool into the centre of the first stitch at the left. Hook the left edge of the stitch and pull forward slightly, pulling the needle hook clear of the sinker post. Lift the hook of the tool upwards, removing the stitch from the needle.

Hook the next stitch off its needle in the same way, allow the first stitch to slip behind the latch hook and pull the second stitch through the first. Hook the third stitch from its needle, slip the second stitch behind the latch and pull the third stitch through the second.

Continue until you are left with one stitch on the latch tool and pull the yarn end through this stitch.

Should you wish to cast off in this way, but you cannot achieve a

loose enough edge, you can loosen the edge by knitting the last row with the ribber. The pitch lever should be on half pitch and alternate needles in work on the ribber are usually sufficient.

1x1 rib can be cast off in this way by knitting the last row of rib at a higher tension (three or four numbers looser than used for the rib) before transferring the stitches to the main bed.

LATCH TOOL CAST OFF BEHIND SINKER POSTS

This method is tricky to get used to, but once mastered it is great because the tightness of the cast off is totally in your control. It is the method I use most of all, for everything except where I have to cast off several stitches at row ends, or where I want open stitches for grafting or returning to the machine.

The chain stitch is on the purl side and a purl looking loop on the knit side with this method – sample three.

The last row of knitting is at normal tension and I prefer to finish with the carriage at the right, but you can cast off from either end with practice.

Remove the yarn from the feeder and, taking it around the last sinker post at the right edge of the knitting, take hold of it in your left hand. The left hand should rest lightly on the needlebed, next to the butts of the working needles on the right. Watch out for oily carriage runners – this is a good excuse to keep them clean! Hold the latch tool in your right hand ready for action!

I always pull through a good length of yarn from the tension unit, stopping to pull more through as I work, thus avoiding tight yarn at all times.

With the left hand, push the right end needle out until the stitch falls behind the latch. Hook the needle with the latch tool and keep the tool horizontally in line with the needle.

Use the thumb of the left hand to pull back on the needle butt, which will pull the latch tool through the stitch as it falls from the needle.

Once the stitch is on the latch tool, the yarn end (which is around the sinker post) should be caught by the hook and at the same time the stitch should be allowed to fall behind the latch. Pull the hooked yarn through the stitch.

Push the next needle forward, hook the latch tool and pull the needle back until the stitch falls on to the hook. Catch the yarn and pull it through both stitches, which are now behind the latch. Repeat to the last stitch, break off yarn and pull the end through the last stitch.

This all sounds impossible doesn't it? It just takes a bit of practice.

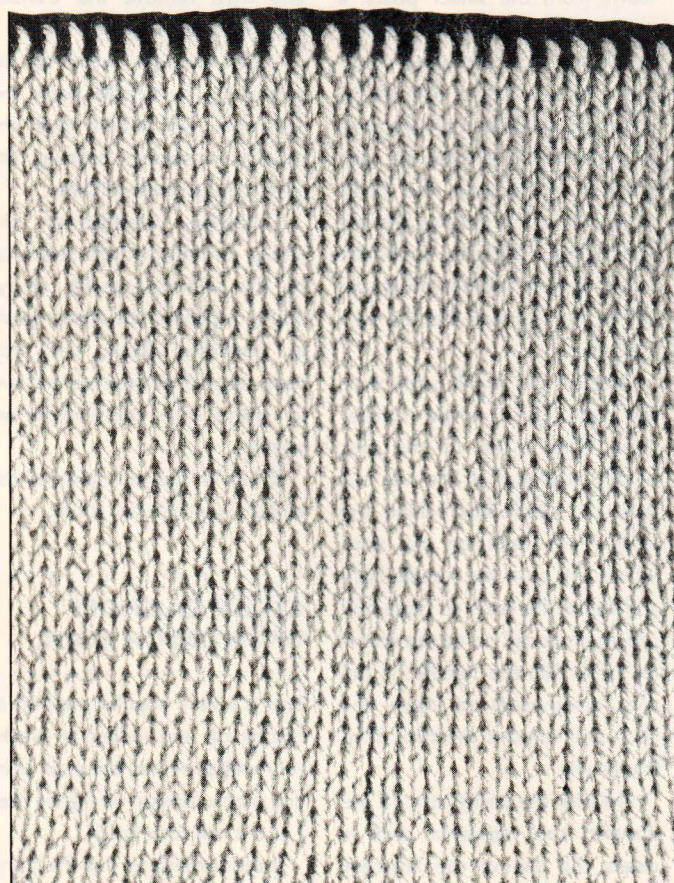
Because the yarn is tensioned by your left hand, you can make the cast off as tight, or as loose, as you wish.

WASTE YARN CAST OFF

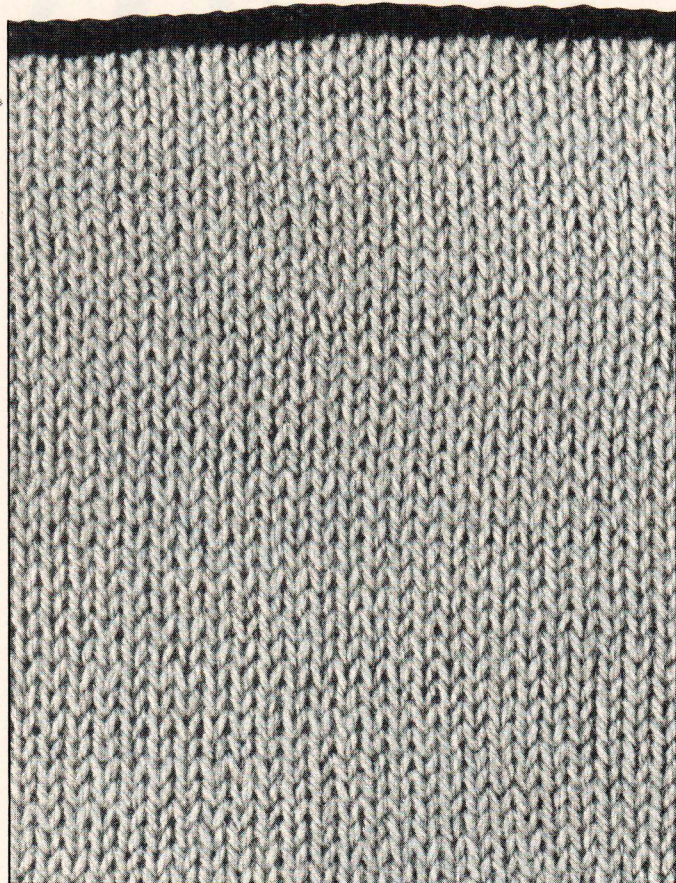
This is probably the easiest cast off of all. Just break off the main yarn, thread up with contrast yarn and knit at least six rows. Break off contrast yarn and run carriage across to drop work from the machine.

It is not necessary to knit one row with nylon cord when casting off with waste knitting – the stitches unravel very easily.

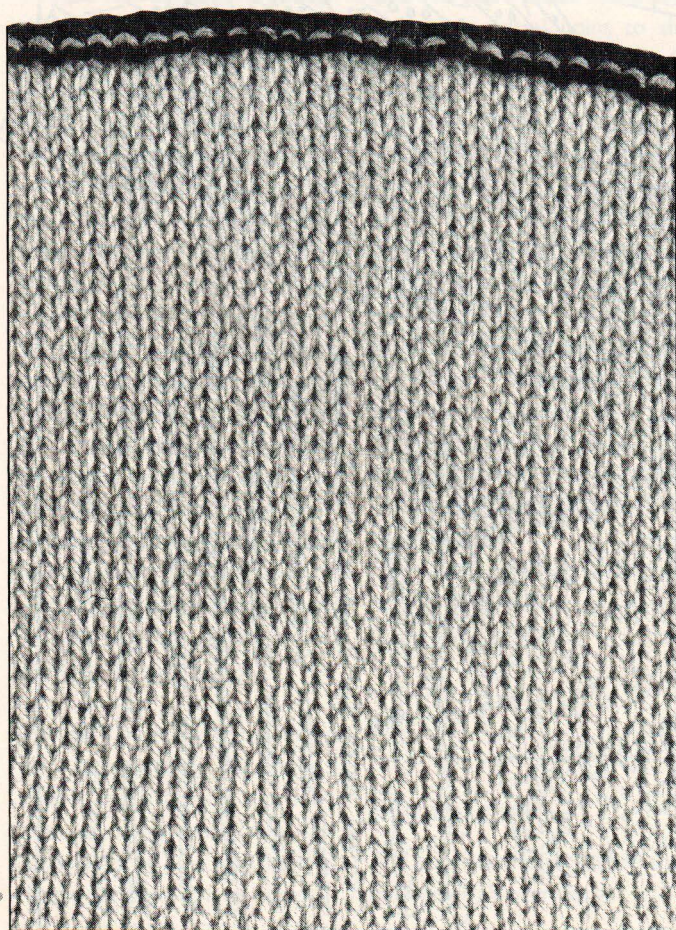
The waste knitting is allowed to roll forwards to clearly show the last row of main yarn stitches for picking up on to the machine.



SAMPLE ONE –
TRANSFER TOOL BEHIND SINKER POSTS



SAMPLE TWO – CHAIN WITH LATCH TOOL



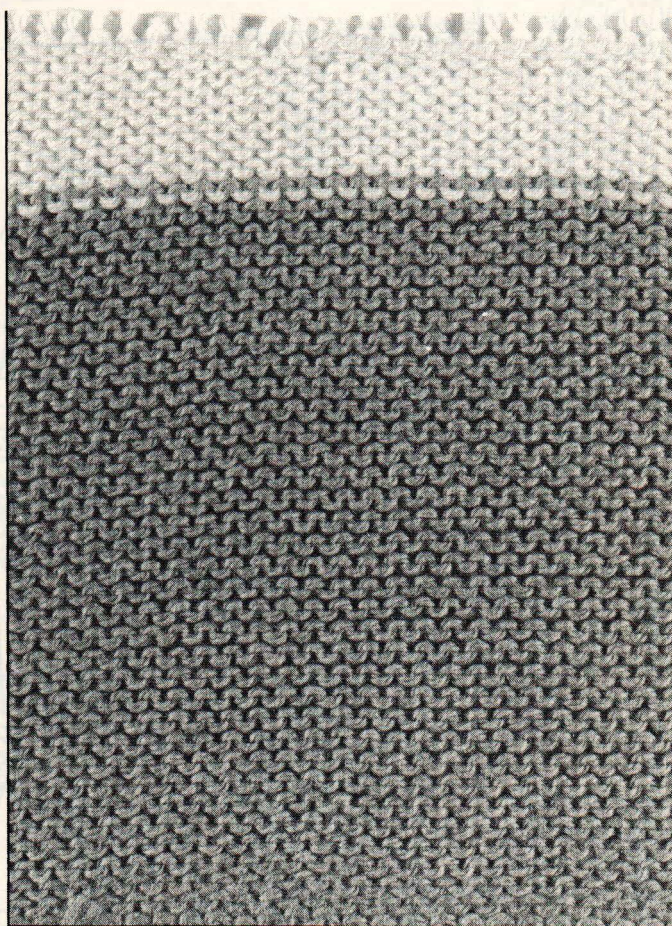
SAMPLE THREE –
CHAIN BEHIND SINKER POSTS WITH LATCH TOOL

The stitches are shown clearly in sample four which shows the purl side of the swatch.

Here are a few tips for casting off with waste yarn:

Use a contrast yarn of the same thickness, or slightly thicker than the main yarn, otherwise the stitches will be difficult to pick up since they will tighten up

Either cut the yarn end at the edge of the knitting, very close to the stitches, or else, stop in the middle of the last row and cut the yarn, allowing it to feed through until it is knitted in. Long yarn ends left on the waste knitting could become caught and pull out whilst the piece of knitting is awaiting finishing!



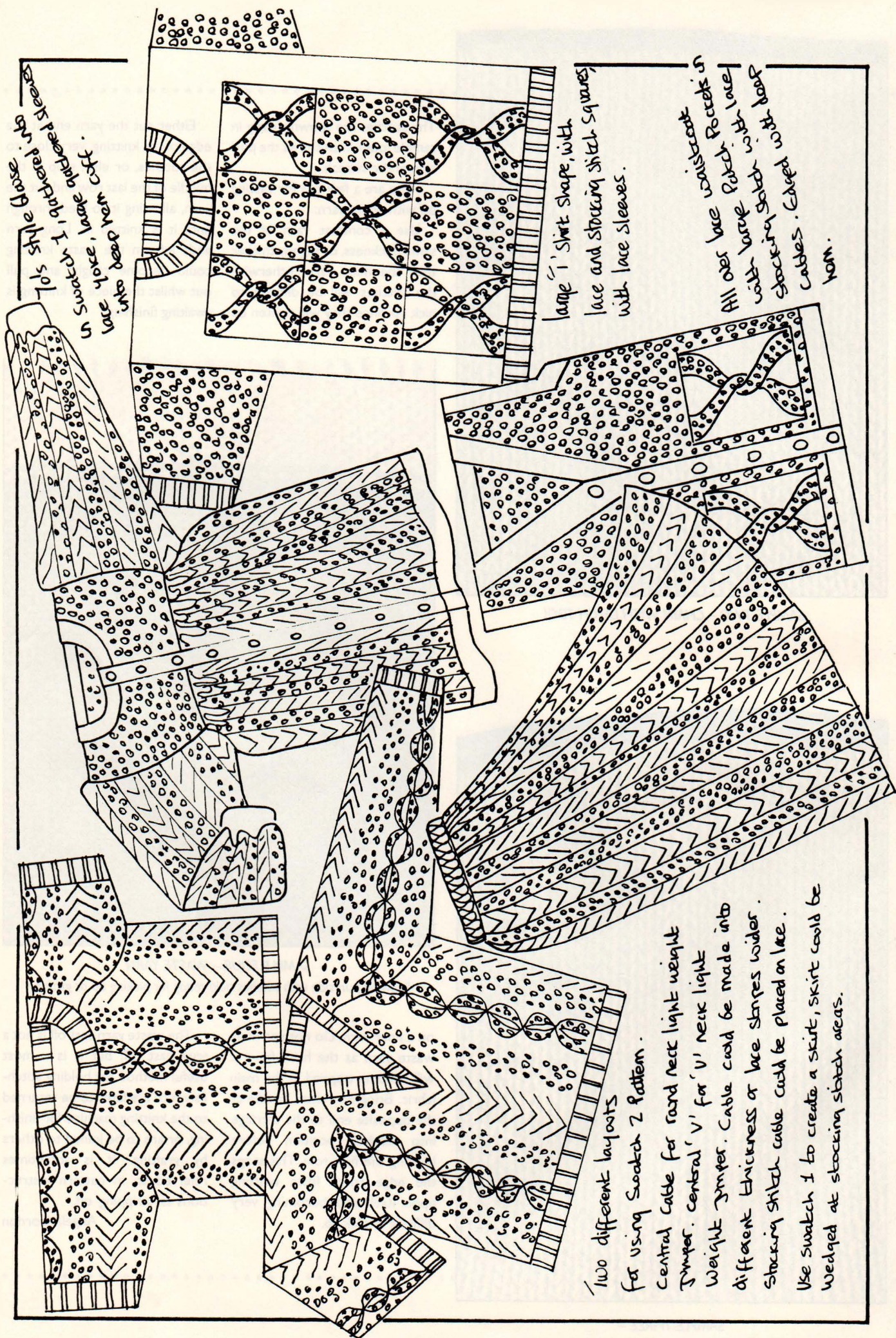
SAMPLE FOUR – WASTE YARN

Showing purl side with stitches held ready for picking up or grafting.

on a finer yarn. Do not use fluffy waste yarn as the hairs from it will become trapped in the main fabric. Bring one extra needle at the opposite end to the carriage into working position before knitting the first row. This stops the edge stitch from twisting upon itself and becoming very difficult to pick up.

The waste yarn cast off is not a true cast off, but it is a most useful method for holding stitches which are later to be returned to the knitting machine for finishing, or are to be joined to others by grafting. It is sometimes referred to in pattern instructions as 'stripping' off.

Angela Gordon



The swatch spot

Use Angie's knitted fabrics and design ideas as a source of inspiration for creating your own individual look. This month she continues to focus on summer fabrics.

SUMMER FABRICS 2

For the second part of my article on summer fabrics I have designed three swatches. As in part one, the basic Silver Reed card number 7 has been used to produce punch lace. I have worked all three designs in three ply mercerised cotton, though they could be knitted in two ply for an even finer fabric. The mercerised cotton gives the fabric a slight sheen and weight. Some man-made fibres, like a rayon mix, would look shimmery, a fine wool would give a 'Shetland' lace look. The swatches have been produced in a neutral cream, which I think suits the delicacy of the lace. Other colours could be used according to the final look you require. Do remember that light colours like cream look light in weight to the eye, whereas dark colours like navy look heavy. The dark colours work well for evening wear. To add a touch of glitz, try working a fine flat lurex in with the fine sewing thread used for the punch lace.

Swatch One is knitted sideways on a loose tension, this allows a double stitch transfer on every row, producing small cables that look as if they flow into the lace.

There are many striped materials in fashion at present; by working the lace and the cable rows in blocks of ten, I have created a

striped look. As the fabric is very light and thin, it can be gathered to give variety in garment construction. Swatch Two is also knitted sideways, creating wider stripes. There are breaks of stocking stitch which give the design a simpler finish. The central panel has a lace cable that has been sewn down to give a flatter finish. This creates a central point to the design, as on the centre front of a jumper.

Swatch Three is more three-dimensional, an effect created by the lace cables. The fabric looks and is heavier as a result. The fabric is produced in wide stripes and the squares are produced by dividing the fabric with lace and stocking stitch. This design needs to be used in large areas or as a large panel. It would work well for a summer jacket (which could be lined) or for a big oversized jumper to keep the chill of the evening at bay.

These designs take time to do, but the results will show you that it was all worthwhile.

NOTES

PUNCHCARD

Any punchcard can be used that has a small all-over design.

TENSION

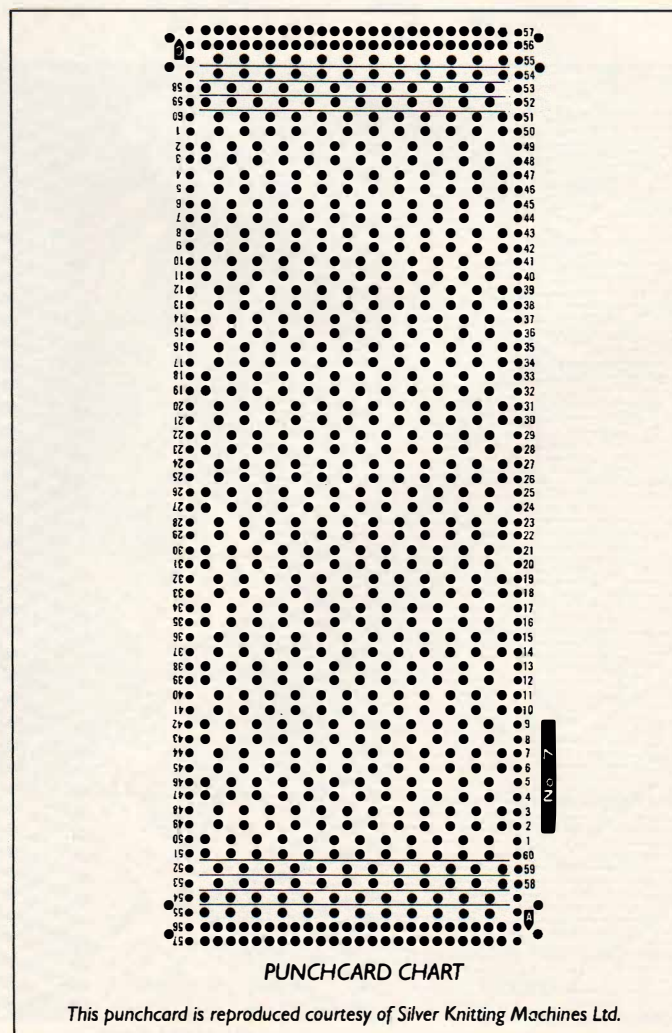
I used tension 5 approx for

swatches 2-3. Tension 6 for swatch 1. This creates looser cables in swatch 1, which blend with the lace.

FABRIC INSTRUCTIONS

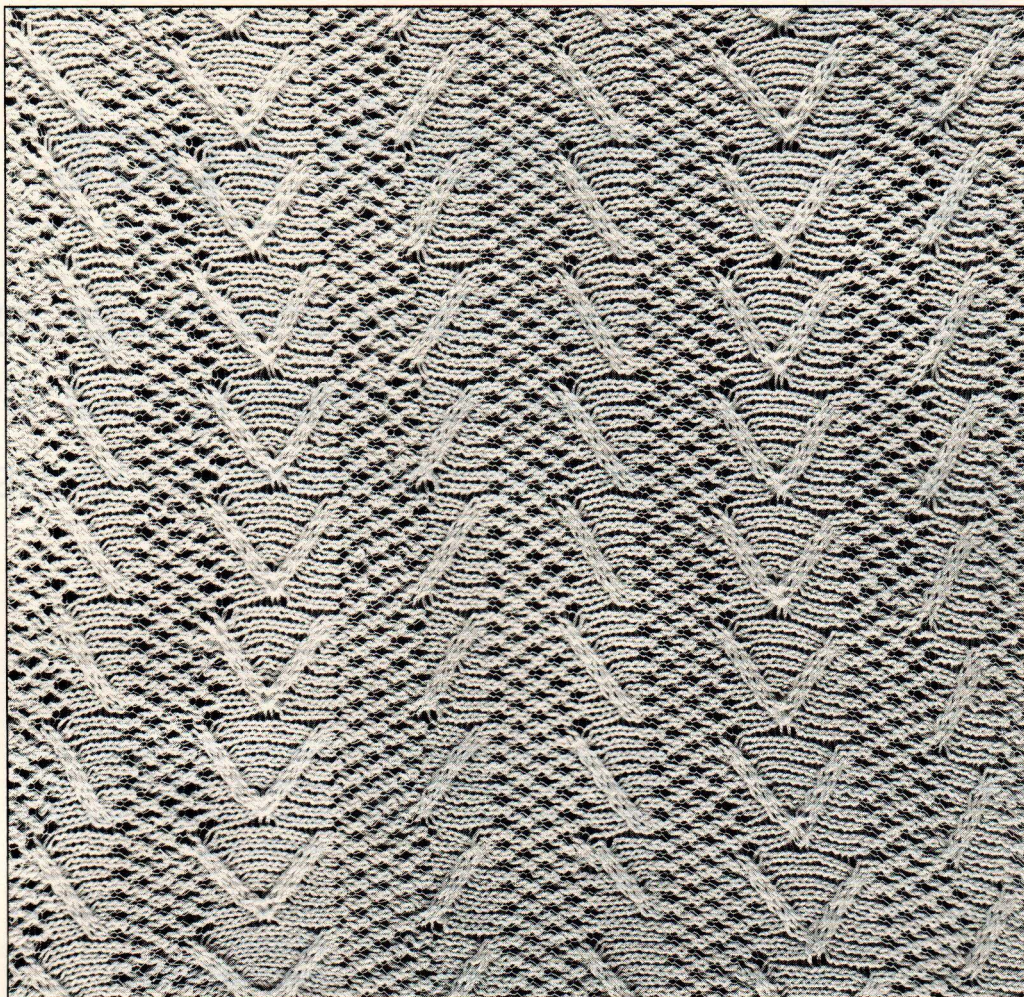
Swatches 1-3
(For Standard Gauge Punchcard Machines)

Yarns Used:
Col 1 – Cream. Brockwell Yarns 3 ply Mercerised Cotton.
Col 2 – Cream. Silko Cotton sewing thread.



SWATCH ONE

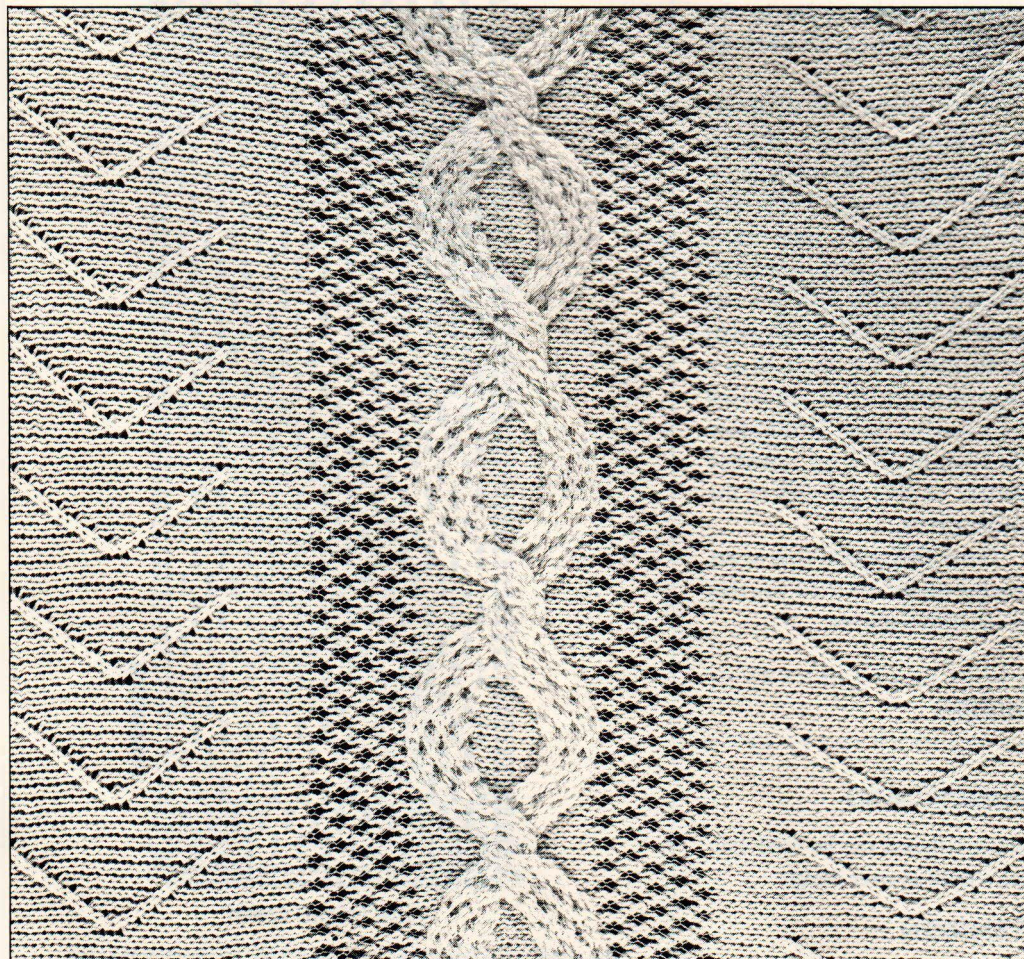
Push 50 Ns at left and right of centre 0 to WP. 100 Ns in WP. Insert punchcard and lock on row 1. Set carriage to stockinet. With Col 1 in feeder 1, cast on and knit 4 rows. * Release card. Set carriage to punch lace. With Col 1 in feeder 1 and Col 2 in feeder 2, knit 10 rows. Lock card. Set carriage to stockinet. With Col 1 in feeder 1, knit 1 row *. ++ Refer to Chart A. Work 8 rows, then knit 1 row. Rep from * to *. Refer to Chart B. Work 16 rows, then knit 1 row. Rep from * to *. Refer to Chart C. Work 8 rows, then knit 1 row. Rep from * to * ++. Rep from ++ to ++. Knit 3 rows and cast off. Sew in all ends. Give swatch a light steam on wrong side.



SWATCH ONE

SWATCH TWO

Push 50 Ns at left and right of centre 0 to WP. 100 Ns in WP. Insert punchcard and lock on



SWATCH TWO

row 1. Set carriage to stockinet. With Col 1 in feeder 1, cast on and knit 10 rows.

+ Refer to Chart D. Work 28 rows, then knit 10 rows +.

** Release card. Set carriage for punch lace. With Col 1 in feeder 1 and Col 2 in feeder 2, knit 10 rows. Lock card. Set carriage to stockinet **.

Using WY, mark swatch as in Chart E.

With Col 1 in feeder 1, knit 20 rows.

Mark swatch as before.

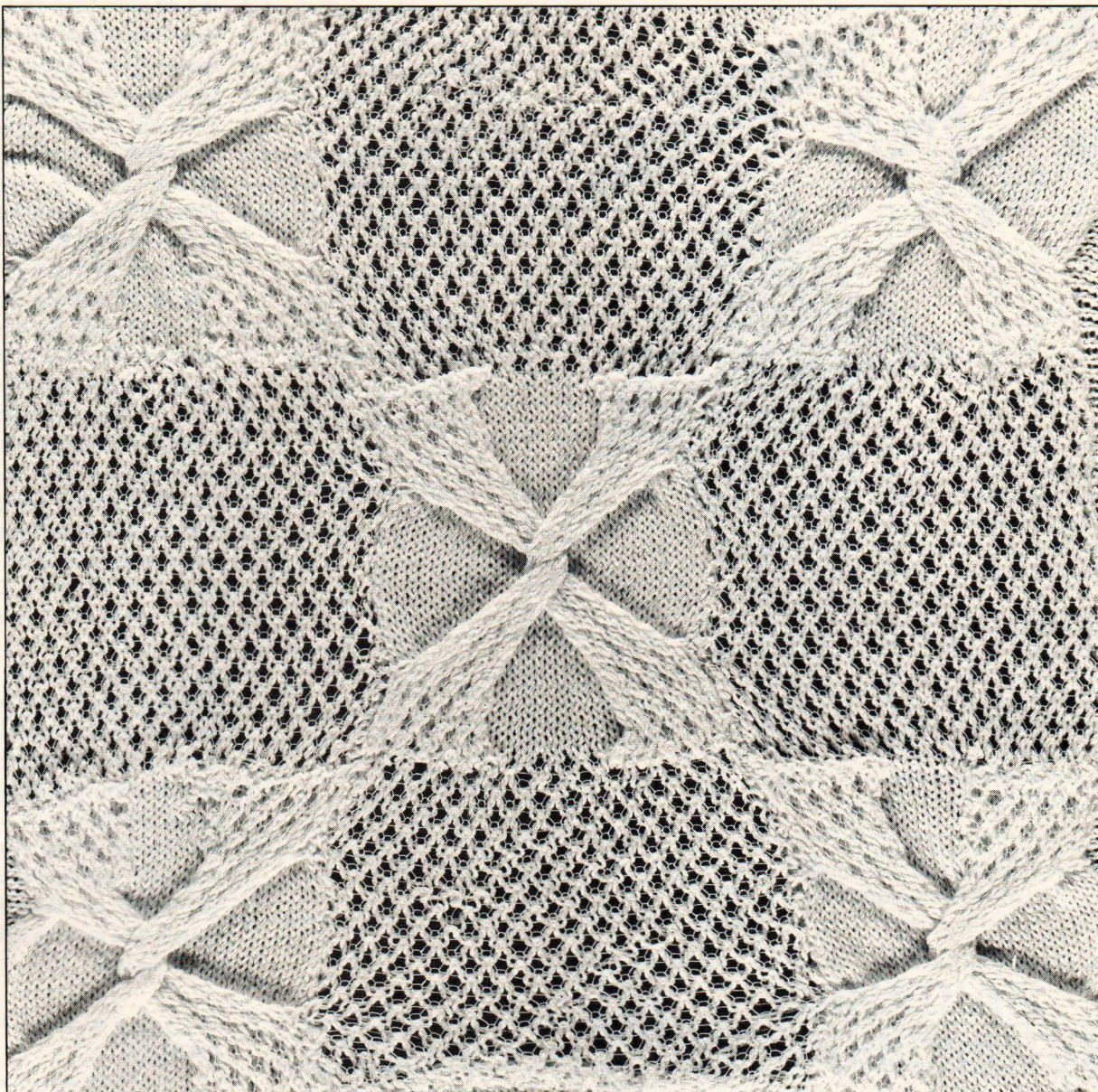
Rep from ** to **.

With Col 1 in feeder 1, knit 10 rows.

Rep from + to +. Cast off.

With right side of swatch facing, refer to Chart E. Push 8 Ns to WP on needle bed and place first 8 sts picked up from side of swatch on to needle bed.

++ Release card. Set carriage to punch lace. With Col 1 in feeder 1 and Col 2 in feeder 2, knit 120 rows. Lock card. Set carriage to stockinet. With WY in feeder 1, knit 6 rows. Remove sts from needle bed ++. Pick up and place



SWATCH THREE

2nd 8 sts on to needle bed.

Rep from ++ to ++.

Give swatch and lace cables a light steam on wrong side.

Referring to Chart E, twist lace cables and pin in place.

You may have some lace cable rows over. Unravel WY and unravel rows to edge of swatch. Using latchet tool, chain st cast off lace cables. With sewing thread Col 2, sew lace cables in position, keeping outside cable edges flat, but curling inside edges slightly before sewing in place. Sew in all ends. Give swatch a final light steam on right side.

Insert punchcard and lock on row 1. Set carriage to stockinet. With Col 1 in feeder 1, cast on and knit 20 rows. Set hold levers on carriage. Refer to Chart F. Push Sets A and C to HP. With WY in feeder 1, knit 6 rows across Set B. Push Set B to HP. Push Set C to WP. With WY in feeder 1, knit 6 rows across Set C. Push Set C to HP. Push Set A to WP.

SET A

Refer to Chart F. Mark row with WY. With Col 1 in feeder 1, knit 40 rows. Release card. Set carriage to punch lace. With Col 1 in feeder 1 and Col 2 in feeder 2,

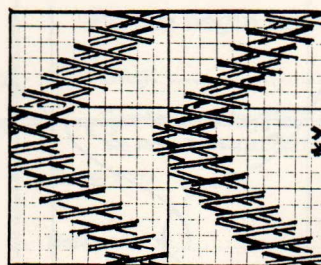


CHART B

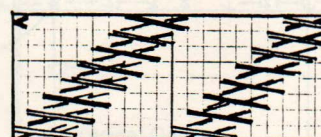


CHART C

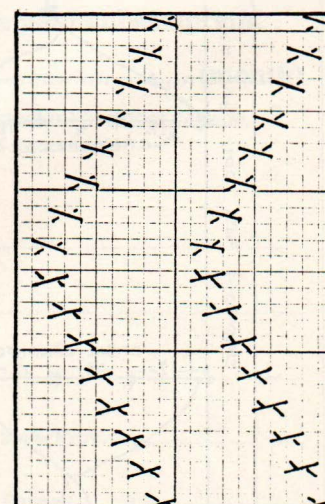


CHART D



CHART A

SWATCH THREE

Push 48 Ns at left and right of centre 0 to WP. 96 Ns in WP.

= Cross 2 left-hand sts over 2 right-hand sts.
 = Cross 2 right-hand sts over 2 left-hand sts.

= Cross right-hand st over left-hand st.
 = Cross left-hand st over right-hand st.

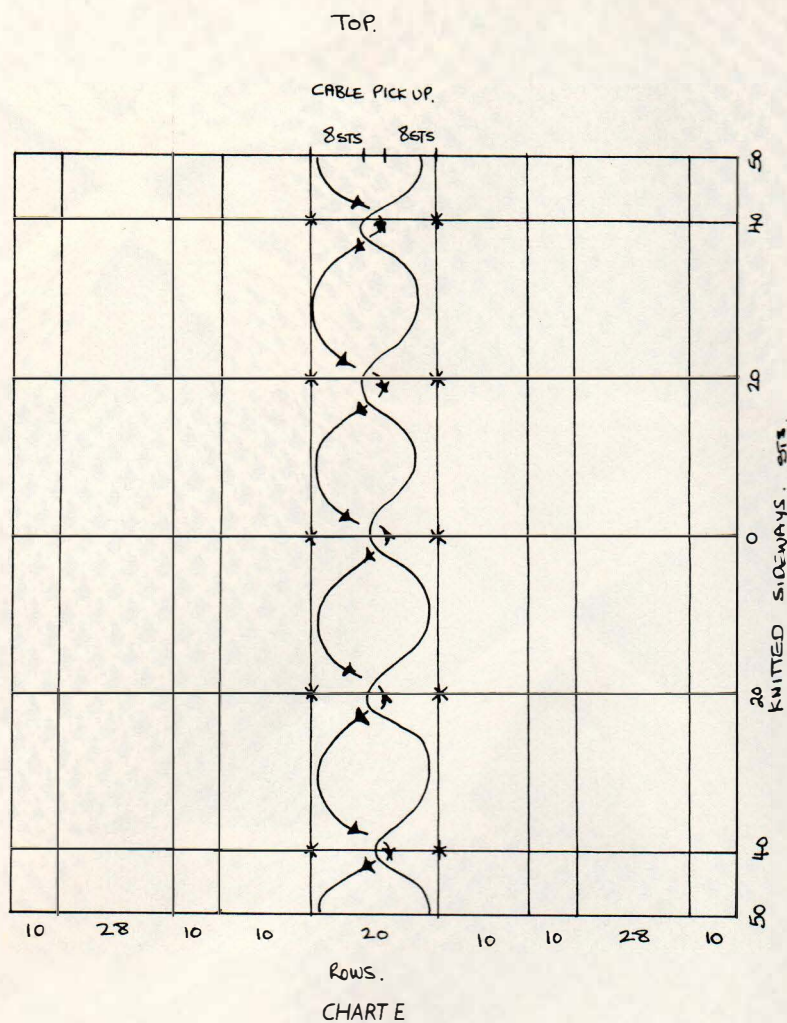


CHART E

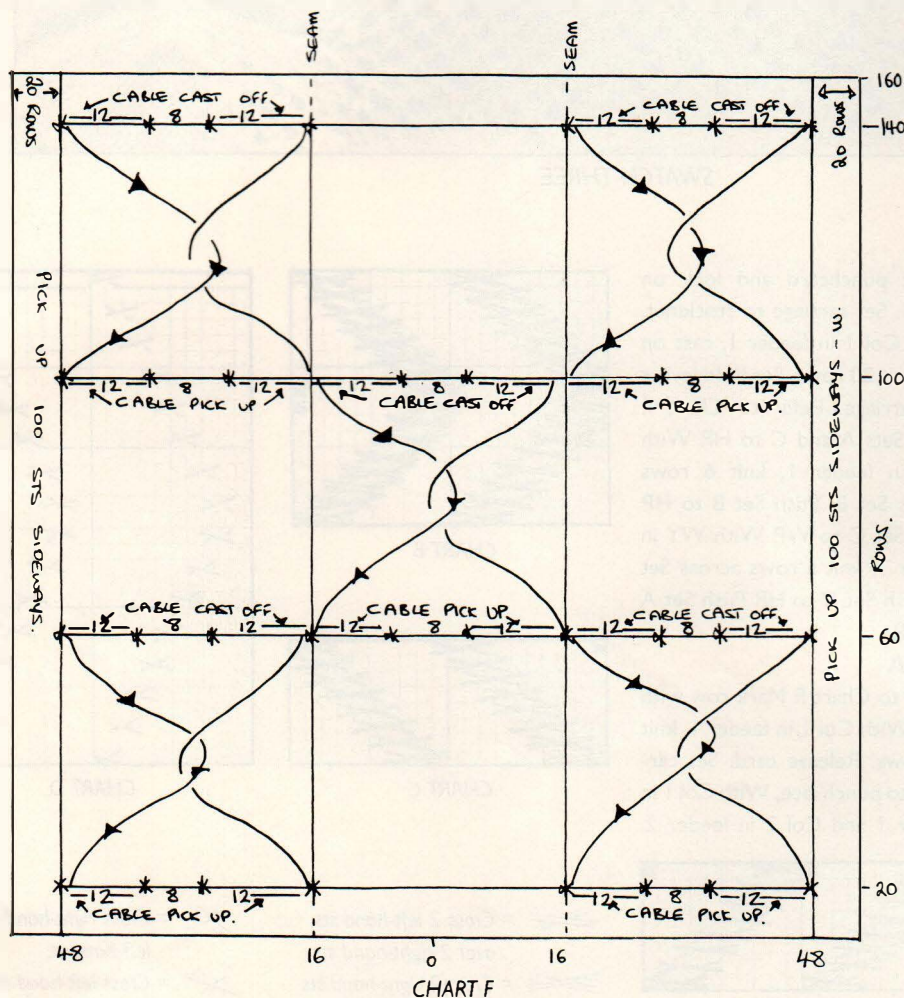


CHART F

knit 40 rows. Lock card. Set carriage to stockinet. With Col I in feeder I, knit 40 rows. Refer to Chart F. Mark row with WY. With WY in feeder I, knit 6 rows. Push Set A to HP.

SET B

Push Set B to WP. Unravel WY.
****** Release card. Set carriage to punch lace. With Col 1 in feeder 1 and Col 2 in feeder 2, knit 40 rows. Lock card. Set carriage to stockinet ******. With Col 1 in feeder 1, knit 40 rows. Rep from ****** to ******. With WY in feeder 1, knit 6 rows. Push Set B to HP.

SET C

Push Set C to WP. Unravel WY. Work as for Set A. Do not knit WY at end. Push all Ns to WP. Unravel all WY. With Col 1 in feeder 1, knit 20 rows and cast off.

Sew up seams between Sets A and B and Sets B and C. Work in mattress stitch if possible. Push 50 Ns at right and left of centre 0 to WP. Turn swatch sideways, wrong side facing and hook up evenly across 100 sts. With Col I in feeder I, knit 20 rows and cast off. Repeat for other side of swatch. Give swatch a light steam on wrong side.

CABLES

Push 12 Ns to WP on needle bed. With right side of swatch facing, but upside down, refer to Chart F for cable positions. Pick up 12 sts for one single cable. (Note: two single cables make one completed twisted cable.) Release card. Set carriage to punch lace. With Col 1 in feeder 1 and Col 2 in feeder 2, knit 42 rows. Lock card. Set carriage to stockinet. With WY in feeder 1, knit 6 rows. Remove sts from needle bed. Repeat cable instructions until you have 10 single cables.

KEY TO CHARTS E AND F

* = Markers

↳ = One cable

 = Second cable

TWIST CABLES

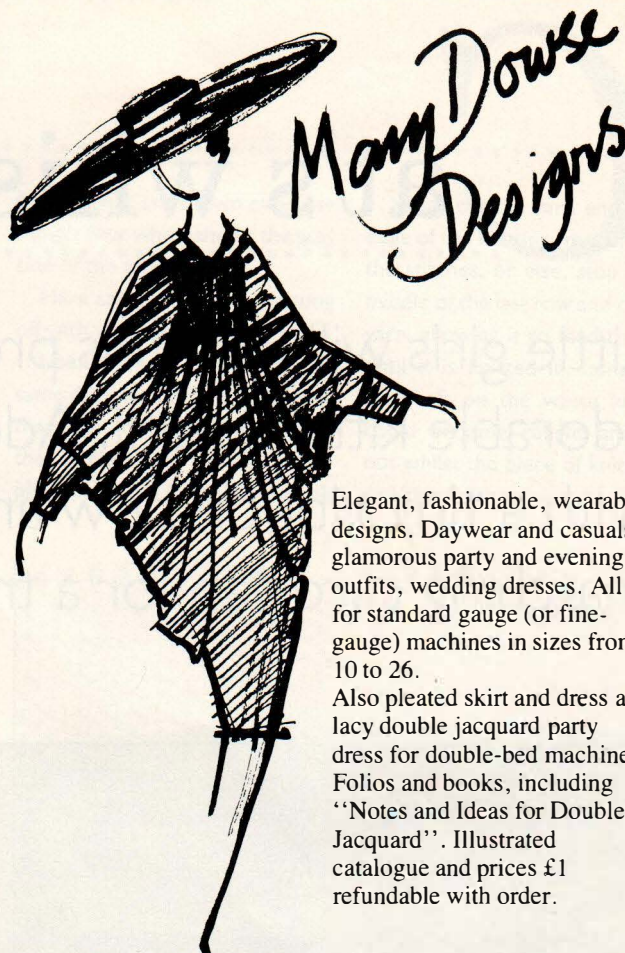
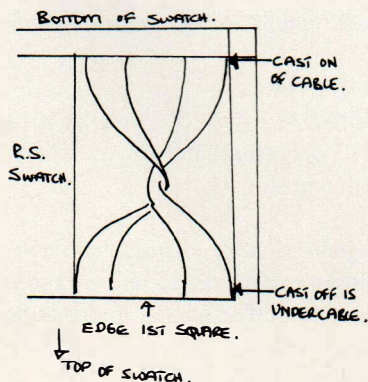
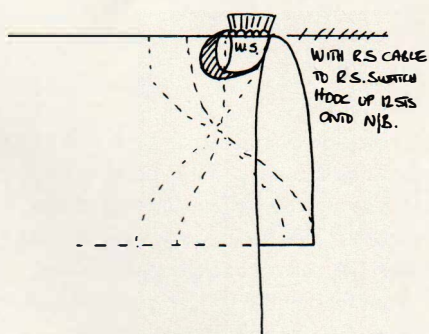
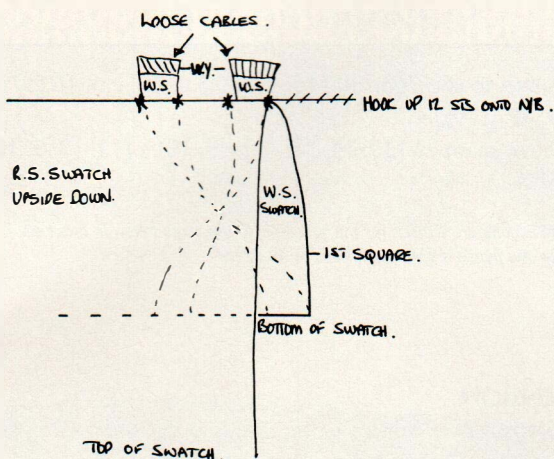
Twist the two single cables on each square to make a complete twisted cable. Use a safety pin to hold in place. With right side of swatch facing, but upside down, refer to Chart F for positions of cables. Pick up 12 sts from swatch along edge of square. (Markers have been placed to indicate square ends where stocking stitch squares meet stocking stitch edging.) Take one single cable end, making sure cable is twisted correctly. Hook up sts with right side of cable facing right side of swatch.

Refer to Diagram H.
With Col 1 in feeder 1, knit 1 row and cast off. Unravel WY. Remove safety pins. Repeat instruction for all cables. Sew cable edges down for approx one inch. Sew in all ends. Give swatch a final light steam on right side.

Angie Gibbons

Angie is available to give talks to knitting clubs. For more information please telephone her on 0293 523805.

DIAGRAM H



Elegant, fashionable, wearable designs. Daywear and casuals, glamorous party and evening outfits, wedding dresses. All for standard gauge (or fine-gauge) machines in sizes from 10 to 26. Also pleated skirt and dress and lacy double jacquard party dress for double-bed machines. Folios and books, including "Notes and Ideas for Double Jacquard". Illustrated catalogue and prices £1 refundable with order.

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11/3

Cat's whiskers

Little girls will love this pretty sweater with an adorable kitten motif. Add a special individual look with a tiny, ribbon bow and team it with our matching cardigan for a truly grown-up look.

PATTERN ATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard and electronic machines with a ribber. If you don't have a ribber, work ribs in mock rib as page 61.

MATERIALS

Denys Brunton De-Lux 4-ply.
1 x 400g cone in White (MC).
A small amount in Red (A).
A small amount in Black (B).
3 buttons.
Red ribbon.

GARMENT WEIGHT

Finished garment in first size weighs: Top 105g, Cardigan 145g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to the following address:- Denys Brunton Designer Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QR.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 12.

MEASUREMENTS

Top

To fit chest 56 [61, 66, 71, 76] cm, 22 [24, 26, 28, 30] in.
Actual size 75 [80, 84, 89, 94] cm, 29½ [31½, 33, 35, 37] in.

Length to shoulder 39 [43, 47, 49.5, 53] cm, 15½ [17, 18½, 19½, 21] in.

Cardigan

To fit chest 56 [61, 66, 71, 76] cm, 22 [24, 26, 28, 30] in.
Actual size 78 [83, 89, 94, 99] cm, 31 [33, 35, 37, 39] in.

Length to shoulder 40 [44, 48, 50.5, 54.5] cm, 16 [17½, 19, 20, 21½] in.

Sleeve seam 26 [30, 34, 38, 42] cm, 10½ [12, 13½, 15, 16½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

25 stitches and 44 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 7).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch cards, as shown, or fill in pattern cards using punchcards as a guide before starting to knit.

Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Silver Reed Electronic Machines

Place needle 1 cam between Ns 12 and 13 at left of centre 0. Press button 1 (left light on) and button 2 (left light on 580 and SK 840 machines, right light on other models).

Fair Isle Pattern

K 4 rows MC/A, 2 rows MC only (st st), 18 rows MC/B, 2 rows MC only (st st) and 4 rows MC/A. These 30 rows form pattern.

This design used cards adapted from one of the Silver Reed knitting pattern books and we reproduce them courtesy of Silver. For further information about Silver cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.



CLUB SPEAKERS

ANN BROWN

Posh Frocks, 35 The Links, Whitehill, Bordon, Hampshire GU35 9HB.
Tel: 0420 474904

Subject: All aspects of design from techniques to pressing, including slide show.

Travel: Club Talks – 100 miles. Workshops – any distance. Now taking bookings for Scotland – Spring 1994.

RUTH COX

Pippin Designs, 22 Clifton Road, Dunstable, Bedfordshire LU6 1LU.
Tel: 0582 605808

Subject: No ugly ducklings. Bears, babies and beautiful dolls. Hints and tips on how to make machine knitted toys successfully.

Travel: Within reasonable distance.

KENI FREEMAN

19 Willersey Road, Badsey, Worcestershire WR11 5HB.
Tel: 0386 833489

Subject: Intarsia; Design and Colour; Using sewing machines and overlockers with knitted fabrics; Copyright.

Travel: Will travel to most areas.

ANNE KENT

28 Quail Gardens, Selsdon Vale, South Croydon, Surrey CR2 8TF.
Tel: 081-657 5740

Subject: Informative talks; Sideways sweater to your size; Size right; Punchcard designing; Pockets galore.

Travel: Reasonable distance from Croydon.

LAVINIA LAWRY-JOHN

Lee-Bee Lifestyles, 104 Elford Crescent, Plympton, Plymouth PL7 4BT.
Tel: 0752 336914

Subject: Demonstrations and talks on creative knitting and design; a lively talk can be expected.

Travel: Cornwall and Devon area.

VALERIE MEECHAM

White Gates, Dowlish Wake, Ilminster, Somerset TA19 0NZ.
Tel: 04605 4670

Subject: Single and double bedwork on Japanese and Swiss machines; Fourteen subjects; New techniques; Talks and Demonstrations.

Travel: Ninety mile radius of Ilminster.

JENNY ROSE

12 Bercta Road, London SE9 3TZ.
Tel: 081-859 2745

Subject: Knitting with mohair; Punchcard design; Surface decoration; Yokes galore; Ribber workshop. Send SAE for further details.

Travel: No restriction.

ANN ROSS

Ann's Yarns, Unit 30, Fourth Avenue, Bluebridge Industrial Estate, Halstead, Essex CO9 2SY.
Tel: 0787 476540

Subject: Any subject on the Japanese machines. Yarns and books available.

Travel: 60 mile radius. Further by arrangement.

RITA RUBERY

18 Forest Close, Streetley, Sutton Coldfield, West Midlands B74 2JZ.
Tel: 021-353 9623

Subject: Talk called Made to Measure Knitwear with twenty-eight garments, illustrations, books and patterns.

Travel: Any distance considered.

1f11

Cat's whiskers

◀ 36

TOP

BACK

With carriage at right and using MC, cast on 96 [102, 108, 114, 120] sts at centre in 1x1 rib. *K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 30 rows. Transfer sts for st st *. Set RC at 000 **. Using MT, K 80 [98, 110, 120, 132] rows.

Shape Sleeves

Inc 1 st at each end of every alt row until there are 108 [114, 120, 126, 132] sts, then on every row until there are 120 [126, 132, 138, 144] sts. K 44 [44, 50, 50, 54] rows.

Shape Neck

Using a length of MC, cast off centre 28 [30, 30, 32, 32] sts. Push 46 [48, 51, 53, 56] Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at beg of next row. 45 [47, 50, 52, 55] sts. K 2 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to **. Using MT, K 60 [78, 90, 100, 112] rows. Insert card 1 and lock on first row. Set machine to K single motif over centre 24 Ns. K 2 rows. Release card and cont in Fair Isle with MC in feeder 1/A and B in feeder 2/B. K 18 rows. RC shows 80 [98, 110, 120, 132].

Shape Sleeves

Inc 1 st at each end of every alt row until there are 108 [114, 120, 126, 132] sts, then on every row until there are 112 [118, 124, 130, 136] sts. Cont in st st and MC. Inc 1 st at each end of next 4 rows. 120 [126, 132, 138, 144] sts. K 22 [22, 28, 28, 32] rows.

Shape Neck

Using a length of MC, cast off

centre 16 [18, 18, 20, 20] sts. Push 52 [54, 57, 59, 62] Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next row, K 1 row. Dec 1 st at beg of next and foll 2 alt rows. 45 [47, 50, 52, 55] sts. K 18 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVE BANDS

Join shoulder seams. With carriage at right and using MC, cast on 64 [64, 70, 70, 76] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 12 rows. Transfer sts for st st. With P side facing, pick up sts along sleeve edge and place on to Ns. Using MT, K 1 row. Cast off.

NECKBAND

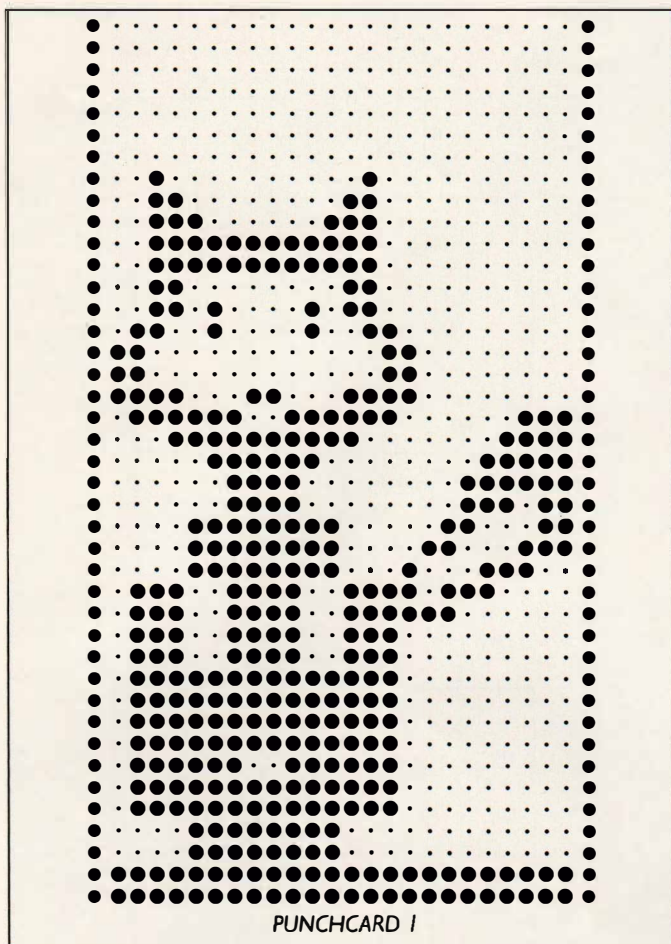
With carriage at right and using MC, cast on 106 [110, 110, 114, 114] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 12 rows. Transfer sts for st st. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join side, sleeve and neckband seams. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Make a bow from ribbon and sew into position.



PUNCHCARD 1

CARDIGAN

BACK

With carriage at right and using MC, cast on 100 [106, 114, 120, 126] sts at centre in 1x1 rib. Work as for back of top from * to *. Insert card 2 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, release card and cont in Fair Isle patt. K 30 rows. Remove card. Cont in st st and MC. K 50 [68, 80, 90, 104] rows. RC shows 80 [98, 110, 120, 134]. Place marker at each end. K 66 [66, 72, 72, 76] rows.

Shape Neck

Using a length of MC, cast off centre 32 [34, 34, 36, 36] sts. Push 34 [36, 40, 42, 45] Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at beg of next and foll alt row. 32 [34, 38, 40, 43] sts. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

RIGHT FRONT

With carriage at right and using MC, cast on 50 [53, 57, 60, 63] sts at right of centre in 1x1 rib. Work as for back of top from * to *. ** Insert card 2 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, release card and cont in Fair Isle patt. K 8 rows.

Shape Front Edge

Dec 1 st at left edge on every 4th row until 48 [51, 55, 58, 61] sts rem, then on every foll 5th row until 46 [49, 53, 56, 59] sts rem. K 4 rows. RC shows 30. Remove card. Cont in st st and MC. Cont to dec at front edge on every 5th row from previous dec until 38 [41, 45, 48, 51] sts rem, then on every foll 10th [11th, 13th, 12th, 14th] row until 37 [39, 42, 44, 47] sts rem. K 4 [10, 5, 6, 12] rows. RC shows 80 [98, 110, 120, 134]. Place marker at right edge. Cont to dec at front edge on every 10th [11th, 13th, 12th, 14th] row from previous dec until 34 [36, 40, 42, 45] sts rem, then on every foll 20th [20th, 24th, 24th, 26th] row until 32 [34, 38, 40, 43] sts rem. K 4 [7, 7, 10, 12] rows. RC shows 150 [168, 186, 196, 214]. Cast off **.

CLUB SPEAKERS

continued . . .

PAT STANTON

94 Old Station Road, Bromsgrove, Worcestershire B60 2AF.
Tel: 0527 31822

Subject: Six different illustrated talks on stitch patterns for Knitting Clubs. Telephone for details.

Travel: Any reasonable distance up to two hours from Bromsgrove.

MARGARET TILLOTSON

6 Court Close, Manor Farm Estate, Horfield, Bristol BS7 0XH.
Tel: 0272 519549

Subject: Cut and sew decorative detail, etc. Send SAE for details.

Travel: Fifty mile radius of Bristol.

PAM TURBETT

17 Forest Rise, Liss Forest, Liss, Hampshire GU33 7AU.
Tel: 0730 893654

Subject: Cut and sew, i.e. dressmaking with fabrics made on your machines.

Travel: No restriction.

TRISHA WHITFIELD

5 Brentwood Avenue, Cadishead, Manchester M30 5JS.
Tel: 061-775 5257

Subject: Pressing knitwear; Appliques; Fabric paints and how to get the most out of them; Designer techniques and how to make the most of your knitting.

Travel: Distances covered normally within one hundred mile radius of Manchester, but special arrangements can be made for longer distances.

1111

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20129

LEFT FRONT

With carriage at right and using MC, cast on 50 [53, 57, 60, 63] sts at left of centre in 1x1 rib. Work as for back of top from * to *. Work as for right front from ** to **, reversing shapings by reading left for right and right for left.

SLEEVES

With carriage at right and using MC, cast on 50 [50, 54, 54, 58] sts at centre in 1x1 rib. Work as for back of top from * to *. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every 5th [6th, 7th, 8th, 9th] row until there are 58 [52, 66, 62, 62] sts, then on every foll 6th [7th, 8th, 9th, 10th] row until there are 80 [80, 86, 86, 90] sts. K 2 rows. RC shows 88 [106, 124, 142, 160]. Cast off.

FRONT BORDER

With carriage at right, push 9 Ns on back bed and 8 Ns on ribber to VVP for double rib/full needle rib. Using MC, cast on and K 5 tubular rows. Carriage is at right.

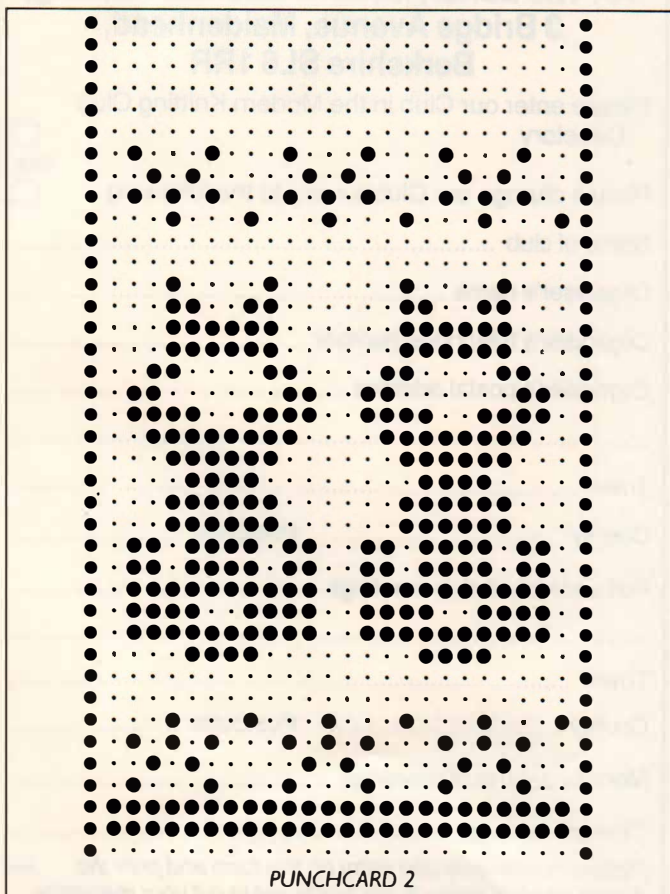
Set carriage for double rib/full needle rib knitting. Transfer end sts on ribber to corresponding Ns on back bed. Push empty Ns to NWP. Set RC at 000. Using MT-5/MT-5, K 4 rows. * Make a buttonhole over centre 3 Ns on back bed and 2 Ns on ribber. K 16 rows. Rep from * once more. Make another buttonhole over same Ns as before. K until long enough to go along right front edge, around back of neck and along left front edge when slightly stretched. Transfer sts to back bed. Using MT, K 1 row. Cast off with a latch tool.

PRESSING

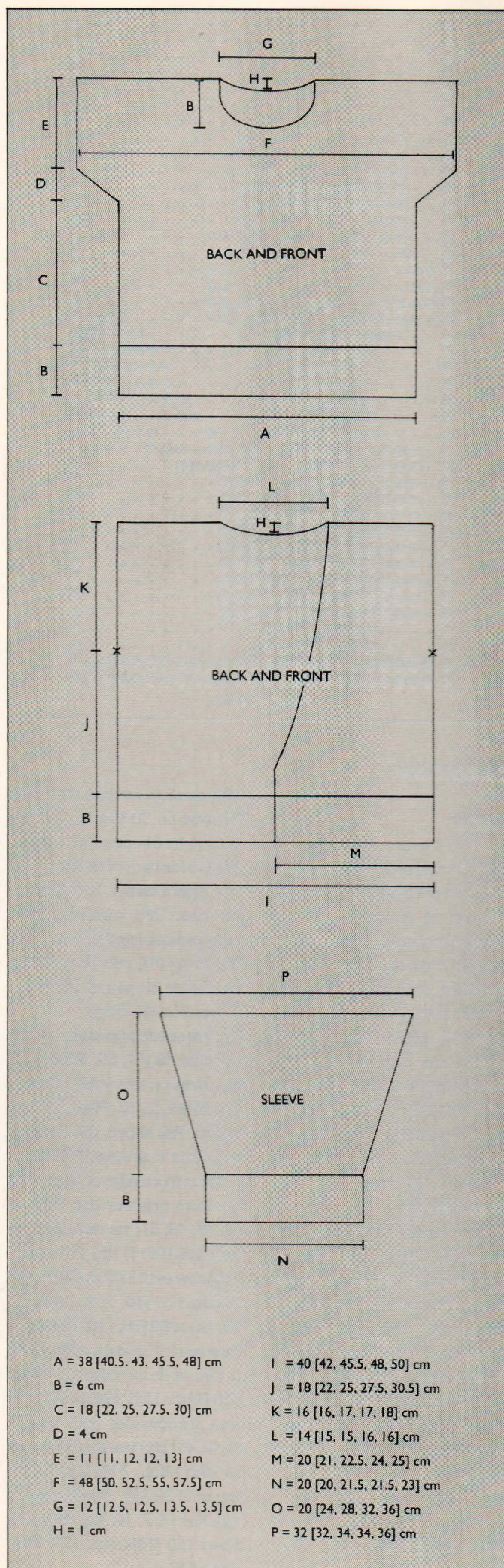
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Sew front border into position. Finish buttonholes and sew on buttons to correspond.



PUNCHCARD 2





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Helpline

Take this opportunity to write in with your machine knitting queries. We will publish answers and advice for the benefit of other *Modern Machine Knitting* readers.

Dear Helpline,

I have recently become the proud owner of a Silver Reed SK840 with ECI Pattern Controller, which I am getting on with very well. There is just one problem, which is that when I am putting in a pattern of my own I find that I must make the mylar sheet very bold with the marker pencil. If not, the pattern is not picked up properly by the machine. The problem is then cleaning the sheet for re-use. I have tried many things including Vanish, but am still having problems. I would be obliged for your advice as to the best way to clean and protect the sheets for further use.

Yours sincerely,

Mavis Eaton,

St Gennys, Bude, Cornwall

Yes, you do need to make the squares bold for the machine to read the pattern on the mylar sheet. This is not difficult if you use the pencils that are provided with your machine as these are soft and you do not need to use pressure to achieve the right amount of boldness. If you have used Silver Reed design pencils then there should be no problem erasing and re-using the mylar sheet. I use an ordinary soft pencil eraser and find that no other cleaning is required for the card to be re-used.

You need to protect the cards from dust, heat, sunlight and grease marks. Heat and sunlight effect the mylar sheet whereas dust and grease interfere with the reading mechanism. If a pattern card is continuously misreading it is best to replace it as there is always a risk of

damage to the mechanical or electronic mechanisms of the knitting machine. Cleaners like Vanish or other detergents should not be used. Mylar sheets must always be stored flat as any creasing will effect the smooth movement of the sheet in the reader. If the sheets are used with care and stored in a dust-free plastic sleeve they should last a long time and not require any cleaning. I have used and re-used a sheet many times without any problem and have never had to use anything other than an eraser.

Dear Helpline,

I am now the proud owner of a colour changer. I bought it after admiring the lovely jacquard garments produced by my friend on her electronic machine. Although I have some basic punchcards for jacquard I would love to punch out some of my single bed favourites but have no idea how to go about doing it. Please can you help. I know that it will take longer than it does for the electronic machines but once the

cards are done I will have them to use again and again and it will be worth the effort.

Thanking you in anticipation

Maureen Swan,

Worcester

This is one of those occasions when the job sounds worse than it actually is.

It's rather like describing how to do a buttonhole – it sounds awful on paper but really is not so bad.

To punch out a card for jacquard from an ordinary punchcard, I suggest that you start with something fairly short because it's quite a long job and if you start with something small, you'll get the idea and then you can be more adventurous.

1. Leave the first line of the card blank and then punch out the first two lines of the pattern from the card you are copying.

2. Leave the next two lines blank.

3. Then punch out the next two lines of the pattern.

4. Continue in this way until all the card is punched out.

5. Now go back to the beginning

of the card and on the first row, punch out all the holes that are not punched out on the row above.

6. Move on to the next blank row and punch out all the holes that are not punched out on the row below it.

7. On the row above, punch out all the holes that are not punched out on the row above. Continue in this way throughout the card.

Jacquard is punched with positive and negative rows. You start with a negative row and you finish with a negative row. The negative rows are the background and the positive rows are the pattern. Please believe me when I say that it sounds much harder than it is!

A few extra tips on Jacquard

Use fine, soft yarns and spend some time experimenting to get the feel of the fabric right. We tend to concentrate on the mathematics, getting the right measurements and so on, but it can be to the cost of the actual look and feel of the fabric. Too loose a tension will have the colours 'grinning through' and spoiling the definition of the pattern and too tight a tension will make the fabric stiff and bulky. An hour or two spent trying out various combinations of yarns and tensions will be time well spent. Keep careful notes and when you find a yarn that suits, stick to it for a while and you will gain confidence.

Cut-and-sew necklines are a must on jacquard knitting and they do give a very professional finish, as well as saving time and grey hairs!

Keep shapes simple and knit several garments in succession until you feel really at home with this technique.

We'll be pleased to hear from anyone who has a specific query on any knitting machine, whether it be a standard, chunky, DK or fine gauge; manual, punchcard or electric model. Your questions might concern a knitting technique, patterning query, use of one of the accessories, or a general problem you are experiencing. Don't forget, it doesn't matter whether you are an experienced knitter or just starting out as a beginner to machine knitting – your query might help others too! Please send your letters to 'Helpline', MMK, 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR, enclosing a SAE if you would like a personal reply. We'll pay £5.00 for every letter we publish.

Plain sailing

Simple cables and bold stripes add a fashion touch to this stylish, long-line tunic. Team it with your summer separates for a top that's easy-to-wear yet smart enough for any occasion.

BACK

With carriage at right and using MC, cast on 168 [174, 180, 186] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 7 rows. Transfer sts for st st *. Using MT, K 1 row.

Transfer sts 4, 5, 31, 32, 39 and 40 at left and right of centre on to lengths of WY. Push empty Ns to NWP. Set RC at 000. Cont in stripe and cable patt, K 176 rows. Place marker at each end. K 100 rows. RC shows 276. Push 40 [43, 46, 49] Ns at left and right to HP. Using WY, K a few rows in st st over rem 88 Ns. Push Ns at right from HP to UWP. Using

WY, K a few rows and release from machine. Push Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

sts at centre in 1x1 rib. Work as for back from * to *. Using MT, K 1 row. Transfer sts 4, 5, 31, 32, 39 and 40 at left and right of centre on to lengths of WY. Push empty Ns to NWP. Set RC at 000. Cont in stripe and cable patt, K 48 rows. Cast on 6 sts at right edge. Using a length of yarn, cast on 6 sts at left edge. 168 [174, 180, 186] sts. K 128 rows. RC shows

FRONT

With carriage at right and using MC, cast on 156 [162, 168, 174]

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge machines with a ribber. If you don't have a ribber, work ribs in mock rib as page 61.

MATERIALS

Spectrum Linaria.
1 x 500g cone in White (MC).
1 x 500g cone in Navy (C).

GARMENT WEIGHT

Finished garment in first size weighs 360g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to the following address:- Spectrum Yarns, Spa Mills, New Street, Slaithwaite, Huddersfield HD7 5BB.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 11.

MEASUREMENTS

To fit bust 87 [92, 97, 102] cm, 34 [36, 38, 40] in
Actual size 114 [118, 122, 126] cm, 45 [46 1/2, 48, 49 1/2] in.

Length to shoulder 74.5 cm, 29 1/2 in.

Sleeve seam 48 cm, 19 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

29 stitches and 38 rows to 10 cm, 4 in measured over one cable and stocking stitch (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Count Ns in NWP as sts throughout.

Before shaping neck or casting off (with or without WY), remember to pick up 2 sts tog from length of WY on to a latch tool, then pull 1 st through the other st and latch up to top to form 1 'purl' st at each side of cable and place on to 1 empty N. Push adjacent empty N to WP. Pick up a loop from below adjacent sts and place on to empty Ns.

Cable Panels

Work cable panels over 6 sts between Ns in NWP.

Stripe and Cable Pattern

K 8 rows C. Cross 3 sts at left in front of 3 sts at right.
K 8 rows MC. Cross 3 sts at right in front of 3 sts at left. These 16 rows form pattern.



Plain sailing

◀ 44

176. Place marker at each end. K 64 rows. RC shows 240.

Shape Neck

Push 104 [107, 110, 113] Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll 2 alt rows. K 1 row. Dec 1 st at beg of next and every foll alt row until 40 [43, 46, 49] sts rem. K 6 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, push 40 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using MC, cast on 92 sts at centre in 1x1 rib. Work as for back from * to *. Using MT, K 1 row. Transfer sts 4 and 5 at left and right of centre on to lengths of WY. Push empty Ns to NWP. Set RC at 000. Cont in stripe and cable patt. Shape sides by inc 1 st (3 sts in) at each end of every 6th row until there are 150 sts. K 1 row. RC shows 175. Cast off.

SIDE VENT BANDS (MAKE 4)

With carriage at right and using MC, cast on 40 sts in 1x1 rib. Work as for back from * to *. Using MT, K 1 row. Cast off.

TO JOIN RIGHT SHOULDER

Push 40 [43, 46, 49] Ns to WP. With K side of right back shoul-

der facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT+1 and C, K 1 row. Cast off.

NECKBAND

Push 188 Ns to WP. With K side facing, pick up 188 sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and MC, K 1 row. Transfer sts for 1x1 rib. Using MT-5/MT-5, K 18 rows. Transfer sts for st st. Using MT-1, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

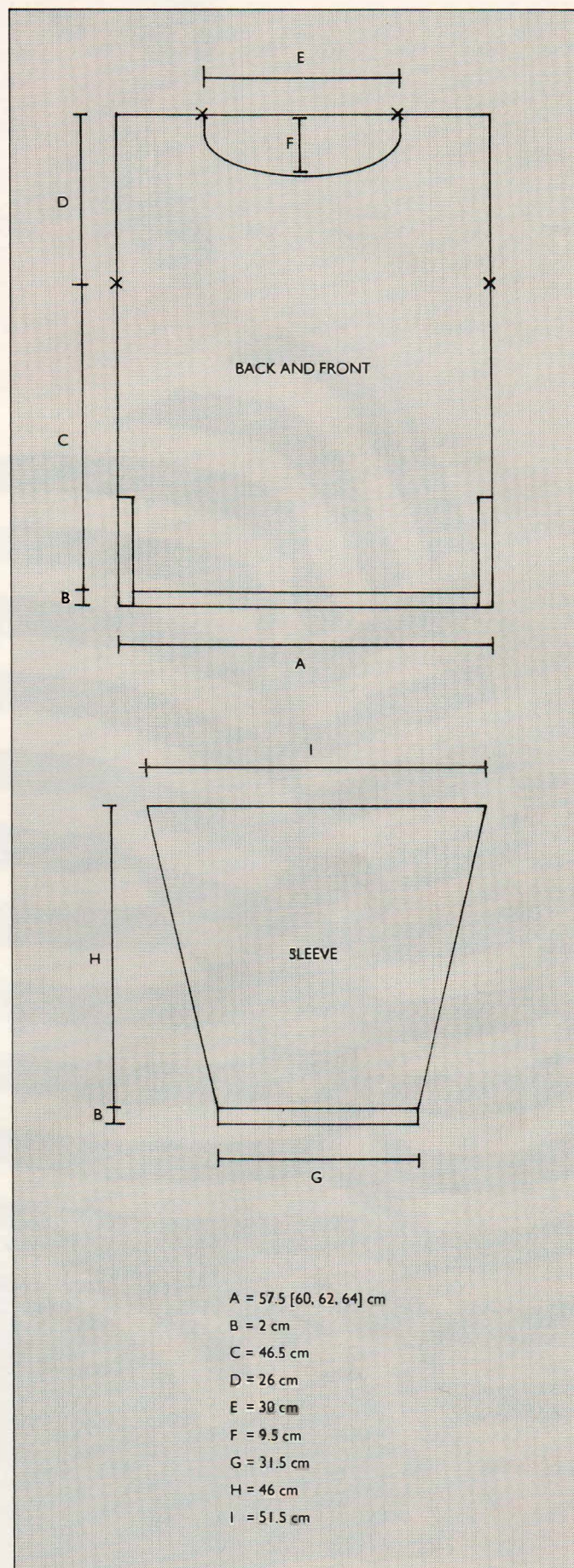
Work as for right shoulder but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Set in sleeves between markers. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Sew bands to side vents, lapping front bands over back bands.



Furnishing and accessories on pattern pages in this issue are all courtesy of CASA FINA, with outlets at 132 Notting Hill Gate, London W11 3QG; 9 The Market, Covent Garden, London W12; 99 Regent St, Leamington Spa, Warwickshire; 3-5 Broad Street, Bath, Avon BA1 5LT; 9 Clarendon Street, Oxford OX1 2HP.

BASIC CROCHET STITCHES

CROCHET is really an essential skill to have if you want to be a truly versatile machine knitter. Crochet can be used to create interesting surface decoration on your knitwear or to produce beautiful trimmings and edgings to give your knitwear that special touch. However, at its simplest level it can also be very basic and functional – perhaps the only way you can finish a raw edge to stop it rolling or the most efficient way of setting in a sleeve. If you don't know how to crochet, here's a step by step guide to the basics.

Whether you want to crochet an edging or a complete item, you cannot crochet until you have a 'loop' on your hook. To start, you can either a) insert your hook into the fabric, card, leather, knitting or anything else that takes your fancy OR b) make a slip knot.

How you hold your hook doesn't matter, but the loop has to go past the shaped part of the hook head on to the stem, or the tension will not be correct. If you've never crocheted before, try holding the hook like a pen, which should feel comfortable since most people are used to writing.

The yarn has to glide through the fingers in an uninterrupted flow. (See Fig. 1.) One way is to wrap the yarn round two fingers instead of just the little finger which prevents it from being gripped too tightly.

Unlike knitting, crochet stitches vary in height. Chains are made to 'lift' the hook at the beginning of the row.

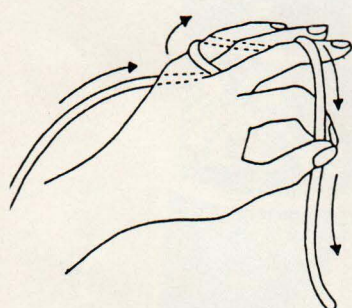
When working into a fabric, insert the hook through the material, collect the yarn and pull through to the front. The hook has a loop over it through which crochet stitches can be made. (See Fig. 2.)

Alternatively make a slip knot. Ideally make the slip knot so that the loop tightens from the tail end.

With the loop on the hook, chains can be made either for a foundation chain or to 'lift' the hook from the fabric.

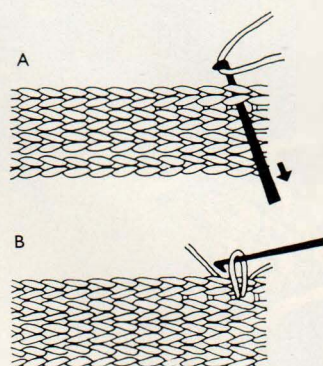
There are basically only three stitches in crochet, chain, double crochet and treble. All other stitches are variations.

Figure 1: Holding the yarn.



--- = under the fingers
 — = over the fingers

Figure 2: Working the fabric.



CHAIN

Place yarn over hook (yoh) and pull through loop already on hook – 1 chain (ch) made. Continue in the same way until the required number of chains has been made.

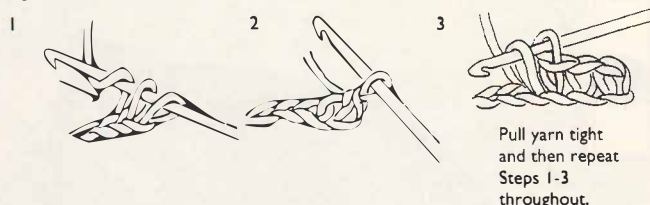
Figure 3



DOUBLE CROCHET

One chain is needed at the beginning of the row and is counted as the first stitch. Insert hook into next stitch (or fabric), yarn over hook (yoh), pull through to front of work (2 loops on hook), yarn over hook (yoh), pull through both loops – 1 double crochet (dc) made. (See Fig. 4.) This is a good stitch for edging a raw knitted edge.

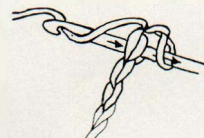
Figure 4



SLIP STITCH

Is worked like a dc but smaller. Therefore it doesn't need any turning chain and is rarely used without other stitches. Insert hook into work, yarn over hook (yoh), pull through to front AND loop already on hook – 1 slip stitch (ss) made. (See Fig. 5.) This is a good stitch for joining two knitted pieces together.

Figure 5



CRAB STITCH

Another variation of double crochet is the Crab stitch, sometimes known as corded edge, rope stitch, etc. This is a double crochet stitch worked in the opposite direction. Right-handed people work crochet from right to left. For right-handed people the Crab stitch is worked from left to right. Insert hook into next stitch on the right, drop the hook on to the yarn (not yoh) and pull through to the front tilting the hook to ensure TWO loops are on hook, twist hook back to normal working position, yoh, pull through both loops – 1 Crab stitch made. (See Fig. 6.)

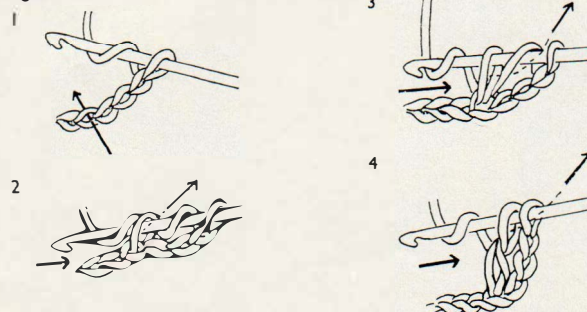
Figure 6

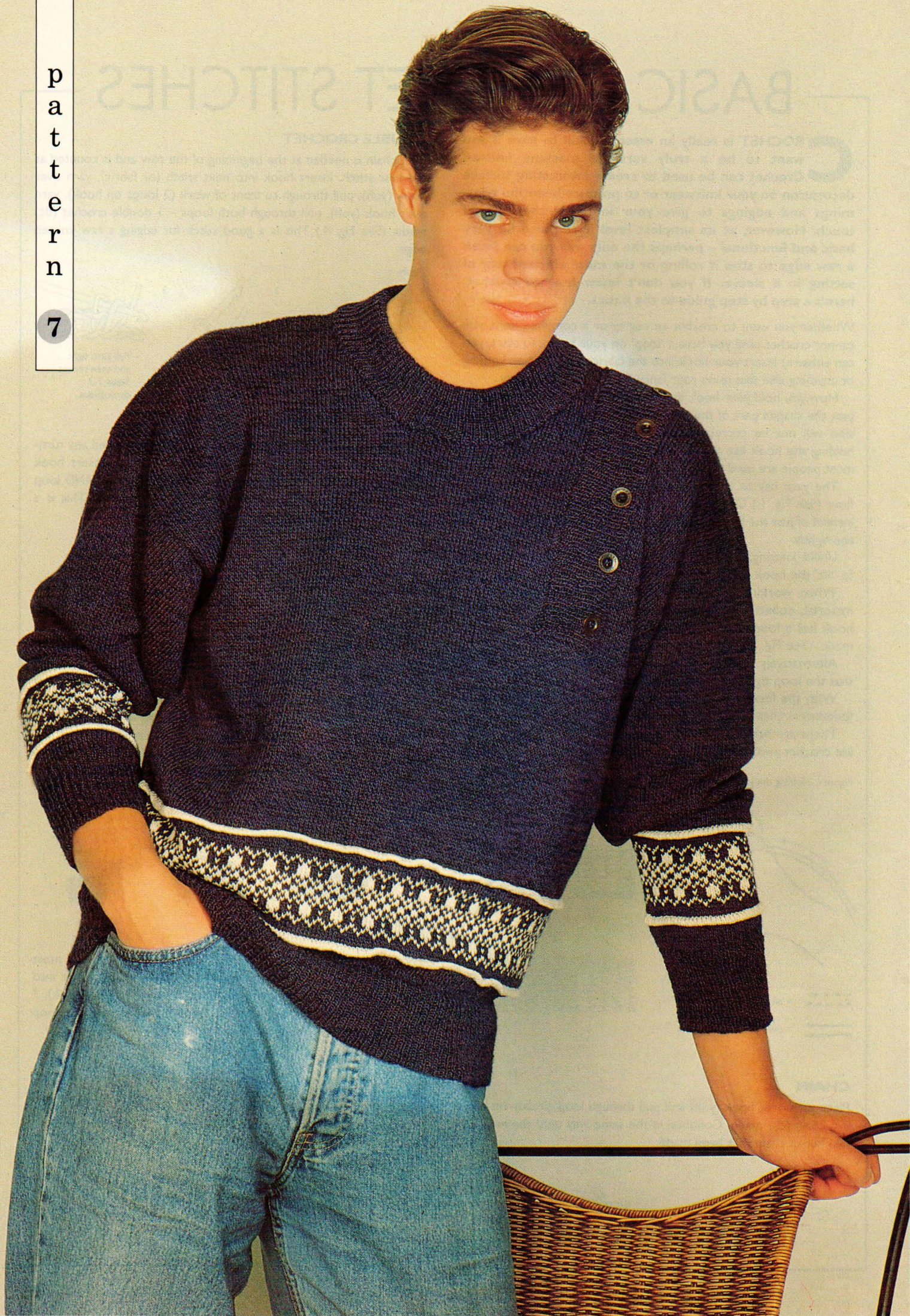


TREBLE

Three chains are needed to lift the hook for this taller and most common of all crochet stitches, yoh BEFORE inserting hook into work, yoh, pull through to front (giving three loops on hook), * yoh, pull through two loops, repeat from * once leaving one loop on hook – 1 treble (tr) made. (See Fig. 7.)

Figure 7





Borderline

Here's another simple but stylish unisex sweater in cool, soft cotton. The narrow hems and buttoned rib trim add a fashionable finishing touch. Why not try ringing the changes by repeating the border in stripes or as an all-over design?

BACK

With carriage at right and using MT-5/MT-5 and MC, cast on 154 [160, 168, 176, 184, 190] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 30 rows. Transfer sts for st st *.

Set RC at 000. Using MT, K 10 rows. Cont in ripple and Fair Isle patt, K 40 rows. Cont in MC only. K 84 rows. RC shows 134. Place marker at each end **. K 86 [86, 90, 90, 94, 94] rows. RC shows 220 [220, 224, 224, 228, 228]. Place marker between sts 24 and 25 at left and right of centre. Cast off.

FRONT

Work as for back to **. K 44 [44, 48, 48, 52, 52] rows. 42 rows less have been worked to shoulder than on back.

Shape Neck

Push 87 [90, 94, 98, 102, 105] Ns at left to HP and cont on rem sts

for first side. Dec 1 st at neck edge on every alt row until 53 [56, 60, 64, 68, 71] sts rem, K 14 rows. Cast off. With carriage at right, push 20 Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

50 ►

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with a ribber. If you don't have a ribber, work ribs in mock rib as page 61.

MATERIALS

Yeoman Panama.
1 [2, 2, 2, 2, 2] x 500g cones in Navy (MC).
1 x 500g cone in Cream (C).
5 buttons.

GARMENT WEIGHT

Finished garment in first size weighs 445g.

The fibre content of this yarn is 100% Cotton. For further information about this yarn, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicestershire LE8 0UD.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 10.

MEASUREMENTS

To fit chest 92 [97, 102, 107, 112, 117] cm, 36 [38, 40, 42, 44, 46] in.

Actual size 101 [105, 111, 116, 121, 125] cm, 39½ [41½, 43½, 45½, 47½, 49½] in.

Length to shoulder 64.5 [64.5, 65.5, 65.5, 66.5, 66.5] cm, 25½ [25½, 26, 26, 26½, 26½] in.

Sleeve seam 49.5 [49.5, 50.5, 50.5, 51.5, 51.5] cm, 19½ [19½, 20, 20, 20½, 20½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

30 stitches and 36 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 8).
For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch card, as shown, or fill in pattern card using punchcard as a guide, before starting to knit.

Ripple and Fair Isle Pattern

* Using C, K 6 rows. Make a hem by placing loops of first row worked in C on to corresponding Ns *. Insert card and lock on first row.

Using MC, K 4 rows. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B, K 20 rows. Remove card. Cont in st st and MC, K 4 rows. Rep from * to *. These 40 rows form pattern.

Borderline

◀ 49

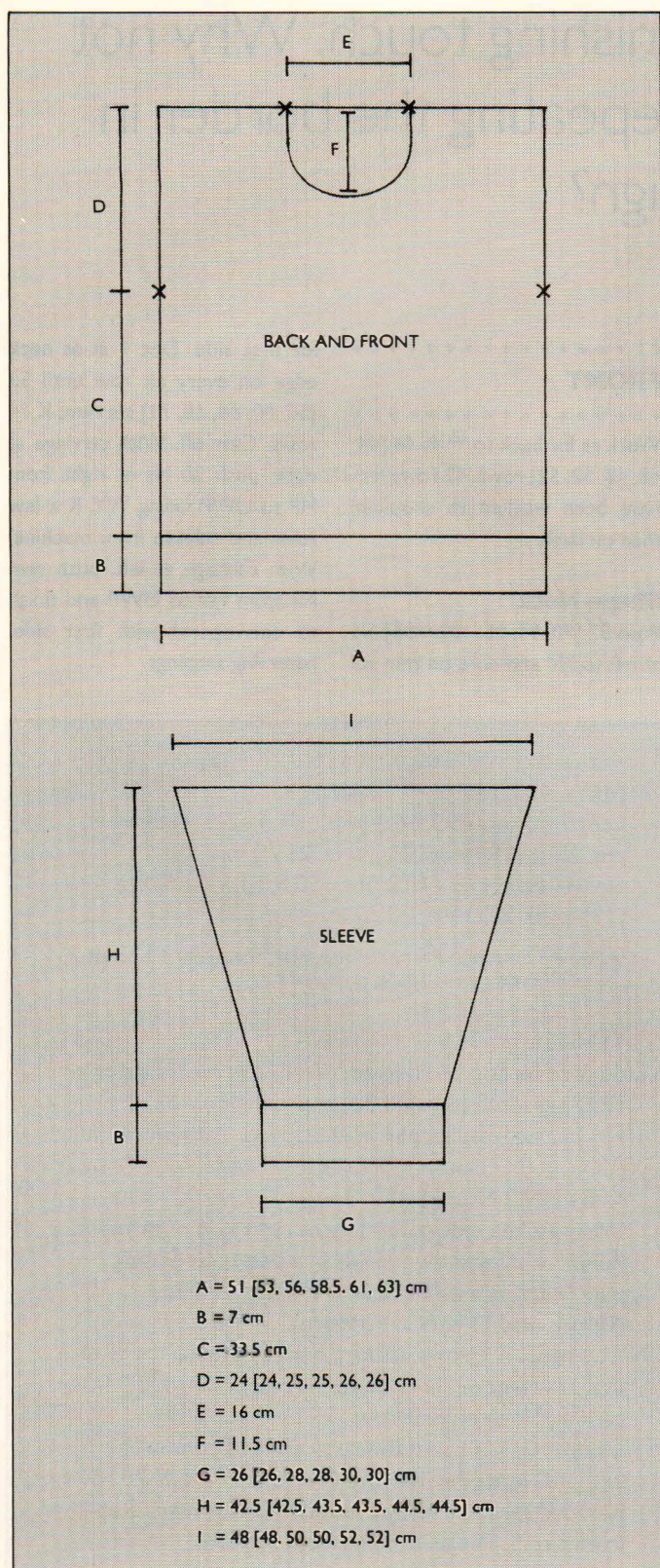
SLEEVES

With carriage at right and using MT-5/MT-5 and MC, cast on 78 [78, 84, 84, 90, 90] sts at centre

in 1x1 rib. Work as for back from * to *. Set RC at 000. Using MT, K 10 rows. Cont in ripple and Fair Isle patt, K 40 rows. Cont in MC. Shape sides by inc 1 st at each end of every 3rd row until there

are 144 [144, 150, 150, 156, 156] sts. K 16 [16, 20, 20, 24, 24] rows. RC shows 165 [165, 169, 169, 173, 173]. Cast off.

000. K 24 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.



NECKBAND

Join right shoulder seam. With carriage at right and using MT-5/MT-5 and MC, cast on 150 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 40 rows. Transfer sts for st st. With P side facing, pick up sts around neck edge and place on to Ns. Unravel WY. Using MT+2, K 1 row. Cast off.

PRESSING

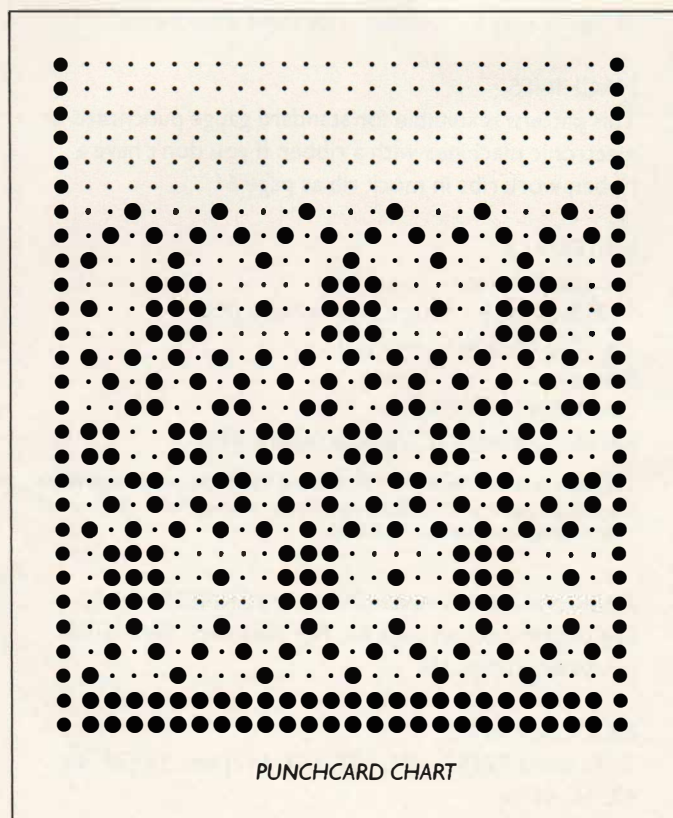
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Pin button band into position as in photograph. Unravelling WY as required, backstitch through open loops of last row worked in MC. Catch down ends. Sew on buttons. Join left shoulder and neckband seam. Set in sleeves between markers. Join side and sleeve seams. Fold neckband in half to inside and catch down.

BUTTON BAND

With carriage at right and using MT-5/MT-5 and MC, cast on 86 sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at





L etters, hints & tips

Share your ideas and thoughts, hints and tips with other readers each month. We pay £5 for every letter we publish and you will also win a subscription to *Modern Machine Knitting* if yours is chosen as our letter of the month.

● LETTER OF THE MONTH ●

Dear MMK

I have found a way of attaching buttons, drop crystals and pearls to knitting without actually sewing them on! They are attached in a similar way to knit-in beads but need the assistance of an intarsia carriage and the needle threader from the Hague Linker.

I have enclosed a sample of the two different kinds of buttons together with written instructions. The advantage of using this method is that no sewing is required – because the buttons are attached whilst knitting the garment – and this makes the underside of the garment much neater.

Using the intarsia carriage means that all attachments have to be done on plain areas of knitting – I used the AG20 for this purpose and I'm very pleased with the results. Because only smallish buttons can be used, this method would probably not be suitable for skirt waistbands or adult cardigans but I'm sure it will have a thousand other uses. I hope you like my idea.

Yours sincerely

Mrs S. M. Burgess
Lymm, Cheshire

Thank you for sharing this clever idea with us, Mrs Burgess. Your letter has to be our Star Letter of the month and wins you a cheque for £5 and a year's subscription to Modern Machine Knitting. We're delighted to print your instructions for other readers to try.

NO-SEW BUTTONS, DROP CRYSTALS AND PEARLS ON PLAIN AREAS OF KNITTING

You will need the use of:- an intarsia carriage; a Hague needle threader; a garter bar or stitch holder with 'teeth' – not the type like a safety pin.

You can attach:- buttons with a shank underneath (i.e. those without perforations on the top side) use only those which are normally attached to the work from the underside; drop crystals or pearls which have a loop for fixing to garments.

Practise first.

TO ATTACH A BUTTON ON THE PURL SIDE OF WORK:-

1. Cast on ten stitches and knit about 20 rows.

2. Place a button on to a Hague needle threader and hold the threader on one hand.

3. Slide the fifth stitch onto a single transfer tool and remove this stitch from the needle.

4. Pull stitch up slightly, inserting the needle threader with button into this stitch and release transfer tool from the stitch. The stitch is now held on the needle threader.

5. Pull the fifth stitch through the button. Insert single transfer tool into stitch loop immediately behind the needle threader, pull out needle threader and replace stitch on to empty needle.

6. Slide fifth stitch behind latch, making sure that it is in line with the other stitches on the needles.

7. Knit one row with the intarsia carriage.

8. Check that the fourth and sixth stitches have knitted correctly. All stitches should be in line and behind the latches ready to knit more rows.



Button attached to knit side of work Button attached to purl side of work

TO ATTACH A BUTTON ON THE KNIT SIDE OF WORK:-

1. Cast on ten stitches and knit about 20 rows.
2. Place a button on to a Hague needle threader.
3. Slide all stitches on to a garter bar or a stitch holder (not the type which looks like a large safety pin, use a holder with 'teeth') and turn work.
4. Park the stitches, still on the bar or holder, on your knee taking care not to drop any! The knit side of the stitches now faces you.

We pay £5 for every letter we publish, provided it has not already been accepted or published elsewhere plus a subscription to the magazine for a letter of the month

5. Slide the fifth stitch on to a single transfer tool and remove it from the bar or holder.
6. Pull the fifth stitch up slightly, inserting the needle threader with button into this stitch and release transfer tool from this stitch. The stitch is now held on the needle threader.
7. Pull the fifth stitch through the button. Insert single transfer tool into stitch loop immediately behind the needle threader, pull out needle threader and replace stitch on to empty needle.
8. Turn garter bar or holder so that the purl stitches are facing you again and slide all stitches back on to their machine needles.
9. Knit one row with the intarsia carriage.
10. Check that the fourth and sixth stitches have knitted correctly. All stitches should be in line and behind the latches ready to knit more rows.

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BACK AND FRONT ALIKE

With carriage at right and using MC and knitting-in elastic, cast on 100 [110] sts at centre in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using R/R, K 26 rows. Transfer sts for st st. Cut elastic. Set RC at 000. Using MT, K 64 rows. Cont in tuck st. K 12 rows A, 12 rows B, 42 rows A and 12 rows B. RC

shows 142. Place marker at each end. K 12 rows A. Cont in st st and MC. K 54 rows.

Shape Neck

Using a length of MC, cast off centre 46 sts. Push 27 [32] Ns at left to HP and cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of next and every foll alt row until 23 [28] sts rem. K 4 rows. Cast off. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with

first side, reversing shapings.

SLEEVES

Using MC, cast on 80 sts at centre by hand. * Set RC at 000. Using MT, K 6 rows. Using MT+3, K 1 row. Using MT, K 6 rows *. Set RC at 000. Shape sides by inc 1 st at each end of next and every foll 3rd row until there are 96 sts, then on every foll 4th row until there are 100 sts. K 2 rows. RC shows 32. Cast off.

NECKBAND

Using MC, cast on 100 sts by hand. Work as for sleeves from * to *. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for chunky machines with a ribber. If you don't have a ribber, work ribs in mock rib as page 61.

MATERIALS

Brockwell Yarns Crêpe Cotton 6 x 2/16.
1 x 400g cone in Navy and White Mix (MC).
1 x 200g cone in Navy (A).
1 x 50g cone in White (B).

Knitting-in elastic.

GARMENT WEIGHT

Finished garment in second size weighs 550g.

The fibre content of this yarn is 100% Cotton. For further information about this yarn, please write to the following address:- Brockwell Yarns, Stansfield Mill, Triangle, Sowerby Bridge, West Yorkshire HX6 3LZ.

ABBREVIATIONS AND YARN THICKNESS

See information on page 61. For thickness, Yarn Guide equivalent is No. 15.

MEASUREMENTS

To fit bust 76-82 [87-92] cm, 30-32 [34-36] in.
Actual size 100 [110] cm, 39½ [43½] in.
Length to shoulder 74 cm, 29 in.
Sleeve seam 13 cm, 5 in.

Instructions are written for the first size, larger size follows in brackets. If only one figure is given, it applies to both sizes.

TENSION

19.5 stitches and 29 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 0).
40 rows to 10 cm, 4 in measured over tuck stitch (tension dial approximately 0).
For perfect results, please check your tension carefully.

KNITTING NOTES

We used purl side of knitting as right side of garment.
Tuck Stitch: Push 1st and every alt N to HP. K 1 row. Push Ns from HP to UWP and K 1 row. Push the 2nd and every alt N to HP. K 1 row. Push Ns from HP to UWP. K 1 row. These 4 rows form pattern.



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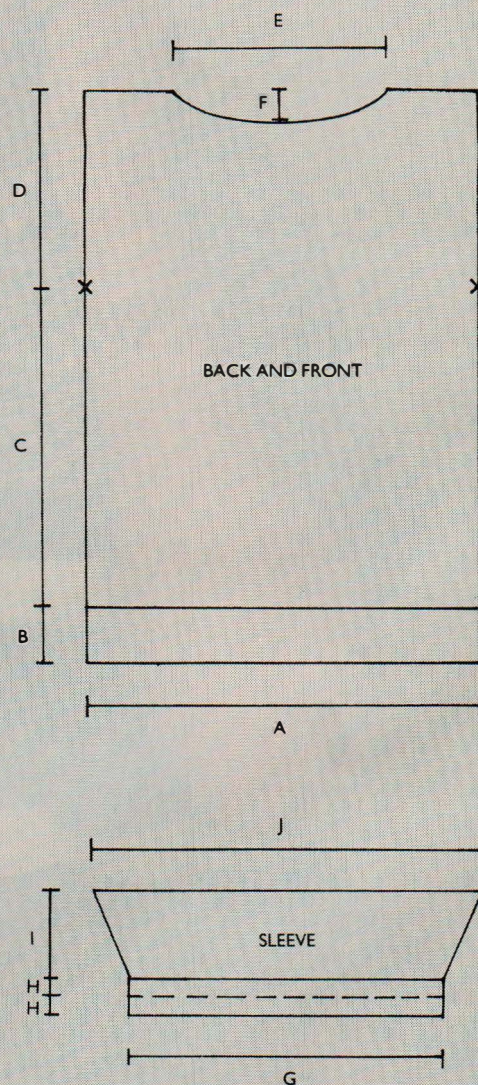
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encase edge. Unravelling WY as required, backstitch through open loops of last row worked in MC.

Fold neckband and lower edge of sleeve in half at loose row and catch down on inside.



A = 51 [56] cm
B = 7 cm
C = 41.5 cm
D = 25.5 cm
E = 28 cm
F = 4 cm
G = 41 cm
H = 2 cm
I = 11 cm
J = 51 cm

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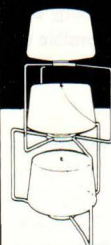
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KNITMASTER 323 punchcard with ribber, all instruction books and accessories, very good condition, £165. Tel: 0278 685508 (Bridgwater).

BROTHER 881 automatic punchcard, Knitleader, lace carriage, £180; Brother KH710, £95 (suitable beginner, does intarsia, Fair Isle, tuck, lace). Tel: 0865 511057 (Oxford).

ABBREVIATIONS

alt = alternate(ly)
 beg = beginning
 ch = chain
 cm = centimetres
 cont = continue(ing)
 dc = double crochet
 dec = decrease(ing)
 foll = following
 g = grams
 HP = holding position
 in = inch(es)
 inc = increase(ing)
 K = knit
 mm = millimetres
 MT = main tension
 MT-1, MT-2, MT-3 = one, two, three
 full sizes tighter than main tension

MT+1, MT+2, MT+3 = one, two, three
 full sizes looser than main tension
 MY = main yarn
 N(s) = needle(s)
 NWP = non working position
 P = purl
 patt = pattern
 RC = row counter
 rem = remain(ing)
 rep = repeat
 ss = stitch size
 st(s) = stitch(es)
 st st = stocking stitch
 tog = together
 UWP = upper working position
 WP = working position
 WY = waste yarn

YARNS

Yarns used for our patterns are matched to this guide for thickness. If you want to use a different yarn and, especially for readers overseas who may not be able to buy the originals, choose a yarn of the same thickness. If you do use a different yarn here are a few tips.

Firstly, your garment is likely to be more successful if you use a very similar yarn so look for slubbed cotton for slubbed cotton, acrylic for acrylic, wool for wool and so on. A change of fibre is perfectly possible but requires even more care in checking tension, quantity and, above all, suitability in the resulting 'feel' and 'hang' of the knitted fabric.

To compare yarns, hold the proposed substitute over the guide and stretch it out until it is just taut, not pulled tightly. A good match should fit the guide lines closely.

Now that you have a suitable yarn, how much do you buy? Whenever possible buy the yarn by length rather than weight as different fibres and treatments can vary the weight of yarns a great deal. A 500 gram cone of airy acrylic would have many more metres or yards of yarn on it than a 500 gram cone of much denser cotton.

After matching the tension, the garments in the original and substitute yarns would

have much the same number of stitches knitted throughout and therefore need much the same yarn length. When you cannot discover the length on the cone it is best to err on the generous side whilst using your previous experience to decide how many cones you would expect the garment to take.

It is possible to work out the length required for a garment by measuring the length used for a tension square and calculating the total area of the garment from the diagram but I think you would need to be addicted to mathematics to find this worthwhile.

Having bought your yarn, experiment until you have matched the original tension. To achieve the best 'handle' it may be necessary to vary the number of stitches or rows a little. This is no problem if you are using a charting device but will require extra calculation if you want to follow the written pattern where the numbers stated for rows and stitches will not now apply.

If all this sounds like too much trouble, take care. You could be lucky and knit a perfect garment in the first yarn that comes to hand but you could also be badly disappointed. Time is precious to all of us so it is worth 'wasting' a little to avoid wasting a lot. You will be rewarded by a successful result.

MOCK RIB

Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber.

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non-working position for a 1×1 rib or every third needle back to non-working position for a 2×1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern.)

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib.

Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line.) Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non-working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

YARN GUIDE

EXTRA FINE

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FINE

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FINE-MEDIUM

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MEDIUM

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MEDIUM-THICK

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14

15

THICK

16

17

18

EXTRA THICK

19

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WIN A REALLY GOOD YARN

**JUNE
COMPETITION**

1ST PRIZE

★ £100-worth of DESIGNER YARN ★
from the exciting Denys Brunton range

PLUS

★ £50-worth ★
for each of two runners-up

RULES

1. You should print your answer clearly on a postcard and send it to June Competition, Modern Machine Knitting, 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR.
2. This competition is open to residents in the UK only, except the employees of Modern Knitting Ltd, the magazine's typesetters, printers, distributors, employees of this month's sponsor and their relatives.
3. Your entry must reach us by 30th June 1993 and we accept no responsibility for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winners will be the first three correct entries drawn from our post-bag after the closing date.
6. The winners will be notified in writing and the competition result will be published in a future issue of *Modern Machine Knitting*.
7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

G	R	A	G	L	A	N	D
U	L	S	T	E	R	A	N
E	K	N	I	C	J	G	A
R	K	E	R	E	F	I	L
N	B	O	R	C	A	D	T
S	K	S	E	R	I	R	E
E	E	S	I	R	R	A	H
Y	S	E	L	S	I	C	S

It's enough to make a certain familiar canine wag his tail in sheer anticipation – to say nothing of all us eager machine knitters!

Your choice of yarn from the delicious Denys Brunton range – £100-worth for the first prize winner and £50 for each of two runners-up. No wonder the familiar Denys Brunton "sausage dog" logo looks pleased with himself – he knows what a wonderful selection there is waiting for those three lucky winners!

The name Denys Brunton is well-known among all machine knitters – the thread of quality and variety is firmly woven into this traditional West Yorkshire firm.

The winners' choice of colour will be unparalleled – from delicate pastel shades through the palette to the brighter, rich bold hues. In between are the popular acrylic loop yarns, strong colours with more than a hint of texture and glitz. Many are truly mouthwatering – with names like "apple" and "apricot": others cool and soft like "snowdrop" and "cloud".

The Denys Brunton range also features yarns in acrylic, nylon, polyester, linen and cotton – in every ply from one to four.

It's a material world, as the song goes – and you'll be "quids in" as far as material gains are concerned if you can solve this month's competition. All you have to do is find eight words in the grid which are clothes or materials, and which are also the names of places. The words can be found diagonally or across and down, and can read in either direction.

When you have circled the eight words, the remaining letters will spell the name of an item of clothing. Put this word on a postcard, together with your name and address, and send it to the following address: June Competition, Modern Machine Knitting, 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR.



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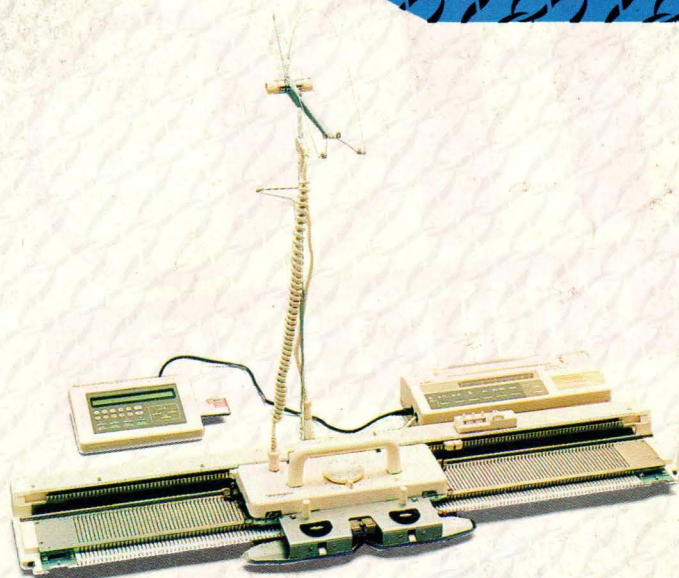
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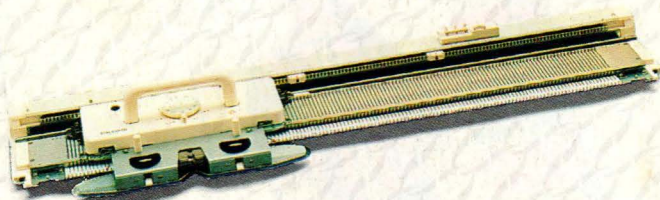
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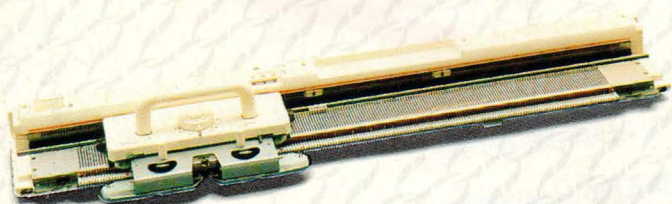
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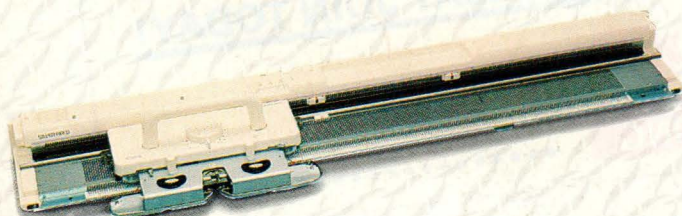
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